



FOR **m**ING THE FUTURE

BEND | FOLD | ROLL | PUNCH | V-GROOVE





50

YEARS
OF LEGACY

SHAPING THE FUTURE OF METAL FORMING SINCE 1975



GLOBAL PRESENCE

Our state-of-the-art manufacturing facility is located in Rajkot, India, equipped with advanced technology and a highly skilled workforce. We cater to global markets, with a strong presence in India, and beyond. Through a network of sales and service partners, we ensure close collaboration with customers worldwide, providing localized support and expertise.






ABOUT

Innovating Sheet Metal Forming Machinery since 1975

Our Legacy of Precision & Progress from 50 Years

Weldor CNC Machines Limited is a leading Technology-Driven company specializing in the design and manufacturing of high-precision sheet metal processing machinery. With a legacy of excellence, we empower industries with cutting-edge :-

- **Panel Benders**
 - **Hybrid Press Brakes**
 - **CNC Hydraulic Press Brakes**
 - **CNC V-Grooving Machines**
 - **Plate Rolling Machines - 3/4 Roll (CNC / NC)**
 - **Hydraulic Pipe-Punching Machines (NC)**
 - **CNC Turret Punch Press (Amada Retrofit & Refurbished)**
- 

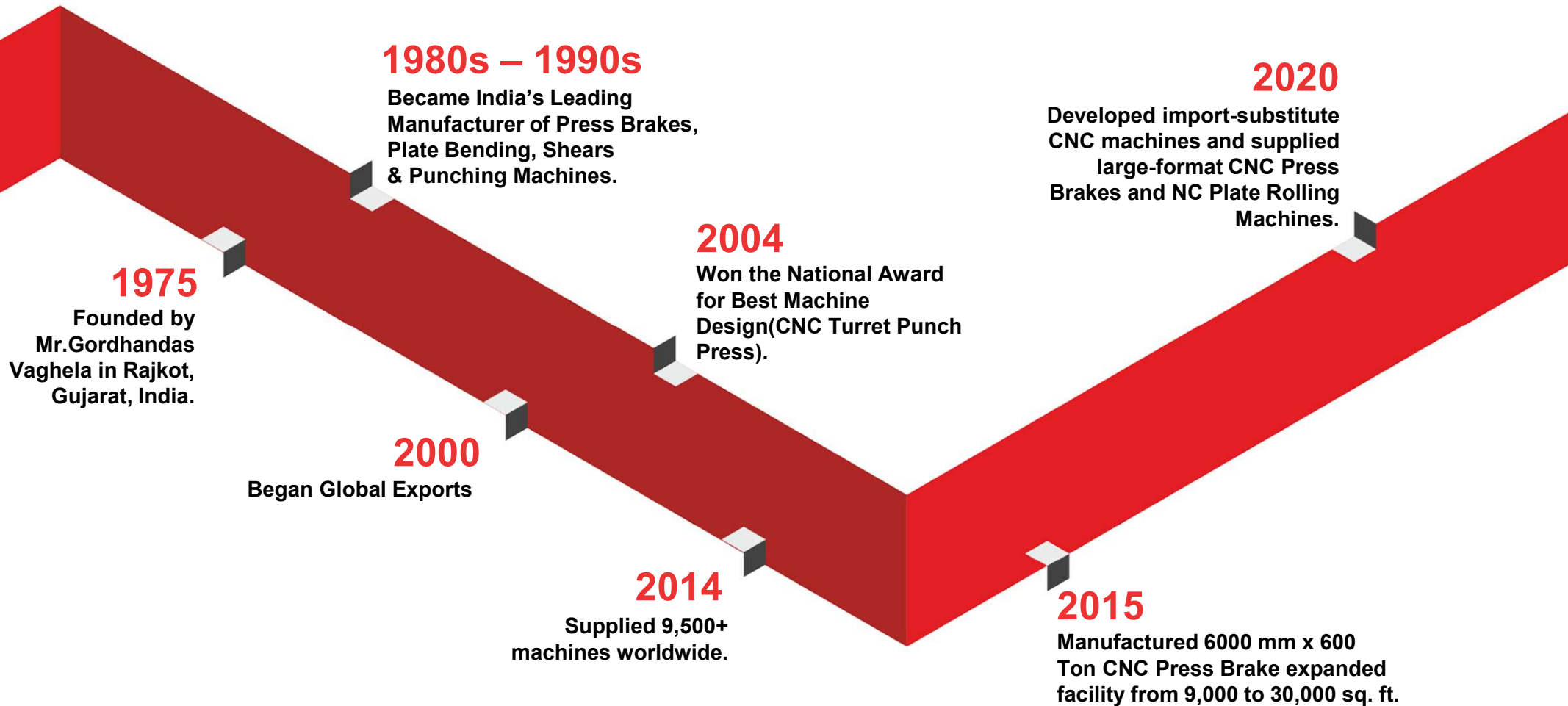
Our solutions drive productivity, efficiency, and innovation, enabling a seamless transition toward a more automated and sustainable future. At **Weldor CNC Machines Limited**, we focus on the complete integration of material handling, data connectivity, and advanced software to optimize production processes.

Our expertise in developing customized and automated sheet metal solutions ensures high-performance manufacturing for a wide range of industries. With a commitment to engineering excellence, customer-centric service, and technological innovation, we provide end-to-end solutions that enhance operational efficiency and deliver long term value.

OUR JOURNEY

50 YEAR'S OF INNOVATION

IN METAL FORMING



OUR JOURNEY

50 YEAR'S OF INNOVATION

IN METAL FORMING

2021

Launched India's First CNC Servo Electric Press Brake.

2022

Supplied 7-Axis CNC Press Brake with laser angle correction to Ordnance Factory, Delivered to NAL & SILK, and acquired NC Floor Boring Machine from USA.

2023

Acquired NC Bed Milling Machine (Italy) to enhance production, supplied 5000 mm × 600 Ton CNC Press Brake to a German Client, and set records in large-series CNC Press Brake deliveries.

2024

Entered the USA market with a CNC Hydraulic Press Brake export to New York; received a repeat order from BEML Ltd for a 4000 × 400 Ton CNC Press Brake.

2025

Gearing up from 14 Cr to 40 Cr by End of FY 2025-26, and Running for a SME IPO in mid 2026 for Further Expansion to accomplish Future Vision's

WHY WELDOR CNC MACHINES?

- **50+ Years of Excellence** in Sheet Metal Machinery
- **Over 9,500+ Machines** Delivered Worldwide
- **Innovation & Automation** in CNC Technology
- Trusted by **Aerospace, Defense & Large-Scale Industries**
- **ISO 9001:2015, IMTMA & ZED** Bronze Certified



RECOGNATIONS & CERTIFICATES

- Our MD - Mr. Mahesh Vaghela was Awarded for best design of the year 2004 for manufacturing India's first high-tech CNC turret punch press machine.
- National award for best machine design (2004)
- ISO 9001:2015 certified – ensuring global Quality standards
- Zed bronze certification – recognized by Ministry of MSME
- IMTMA membership (2025-26) strengthening our industry leadership.

CUSTOMER PERFORMANCE CERTIFICATIONS



2024
BEML Ltd



2024
National Aerospace Laboratories



2023
TII India Pvt Ltd




2023
Kalyani Cast Tech Ltd



Mr. Mahesh Vaghela Director (Technical) receiving award from Shri J. N. Godrej Chairman of Godrej & Boyce Mfg. Co. Ltd.

WINNER OF BEST DESIGN OF THE YEAR AWARD at IMTEX-2004


PERFORMANCE CERTIFICATES



ಬಿಇಎಂಎಲ್ ಲಿಮಿಟೆಡ್
बीईएमएल लिमिटेड
BEML LIMITED

Schedule 'W' Company under Ministry of Defence, Govt. of India

Defence & Aerospace | Mining & Construction | Rail & Metro



Date: -17/06/2025

TO WHOM SO EVER IT MAY CONCERN

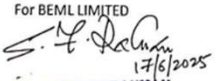
PERFORMANCE CERTIFICATE

Contract No: GEMC-511687700159178 Date : 24-Jul-2024
P.O. No : KR02/RWM/9740000953/0/0 Dated.29.07.2024

This is to certify that M/s. Weldor CNC Machines, Rajkot has supplied and successfully Commissioned the CNC HYDRAULIC PRESS BRAKE, Model WCM PB -S18, TYPE 4000 mm/400 TON, No. 44/11/2024 at RCU-II, BEML Limited, KGF Complex on 18.01.2025.

The Performance of the machine is found to be SATISFACTORY.

For BEML LIMITED



SYED FAIZUR RAHMAN
Senior Manager- Plant Maintenance
RAIL COACH UNIT - II
BEML Limited, Oorgam Post,
Kolar Gold Fields - 563 120.

ಬಿಇಎಂಎಲ್ ಲಿಮಿಟೆಡ್, ಕೆ.ಜಿ.ಎಫ್ ಸಂಕೀರ್ಣ, ಬಿಇಎಂಎಲ್ ಕಂಪ್ಲೆಕ್ಸ್,
ಕೋಲ್ ಗೋಲ್ಡ್ ಫೀಲ್ಡ್ಸ್-563115, ಕರ್ನಾಟಕ, ಭಾರತ
ದೂರವಾರ್ತೆ ಸಂಖ್ಯೆ : 08153-263777, 263213, ಫ್ಯಾಕ್ಸ್ : 08153-263274, 263880
ಇಮೇಲ್ : e@beml.co.in ek@beml.co.in

ಕರ್ಪೊರೇಟ್ ಆಫೀಸ್ / Corporate Office : ಬಿಇಎಂಎಲ್ ಲಿಮಿಟೆಡ್, ಕೆ.ಜಿ.ಎಫ್ ಸಂಕೀರ್ಣ, ಬಿಇಎಂಎಲ್ ಕಂಪ್ಲೆಕ್ಸ್,
ಬೆಂಗಳೂರು ಸಿಟಿ, 23/1, 4ನೇ ಮುಖ್ಯದಾರ್ಡ್, ಸಂಪನ್ಮೂಲ ಮಂತ್ರಾಲಯದ
ಬೆಂಗಳೂರು - 560027 ಕೋಲ್ ಗೋಲ್ಡ್ ಫೀಲ್ಡ್ಸ್-563115, ಕರ್ನಾಟಕ, ಭಾರತ
ದೂರವಾರ್ತೆ ಸಂಖ್ಯೆ : +91 80 2296 3200, 1800 425 2365 ದೂರವಾರ್ತೆ ಸಂಖ್ಯೆ : 08153-263777, 263213, ಫ್ಯಾಕ್ಸ್ : 08153-263274, 263880
BEML Southda, 23/1, 4th Main, S R Nagar, Bangalore - 560027. BEML Limited, KGF Complex
Tel : + 91 80 2296 3200, 1800 425 2365 BEML Nagar, Kolar Gold Fields-563115, Karnataka, INDIA
CIN : L35202KA1964GOI001530, GST No. : 29AAACB8433D12U Ph.: 08153-263777, 263213, Fax: 08153-263274, 263880
www.bemlindia.in e-mail : e@beml.co.in ek@beml.co.in

2025
BEML Ltd



ಬಿ ಇ ಎಂ ಎಲ್ ಲಿಮಿಟೆಡ್
BEML LIMITED

(Formerly BEML SOUTH WORKS LIMITED)
(A Govt. Owned Mini Public Company under Ministry of Defence)
Bangalore Complex



Date: 11/06/2024

TO WHOM SO EVER IT MAY CONCERN
PERFORMANCE CERTIFICATE

This is to certify that M/s. WELDOR CNC MACHINES, Gujarat has successfully commissioning and installed CNC Hydraulic Press Brake -200 Ton.

The date of put to use of this CNC Press Brake 200 Ton is **25.03.2024**

M/s. WELDOR CNC MACHINES Performance during the installation and commissioning found to be satisfactory.

Machine Details as below:

CNC Hydraulic Press Brake- Qty- 01 No

Eqpt No	RA49-0003
Pressing Force	200 Ton
working Length & stroke	3050 mm & 250 mm

BEML Ltd, Bangalore Complex



Signature
(Seal of the Organization)
Material: BEML Ltd (15)
Bangalore Complex

ಬೆಂಗಳೂರು ಕಾರ್ಯಾಲಯ : ಬೆಂಗಳೂರು ಸಿಟಿ, 23/1, 4ನೇ ಮುಖ್ಯದಾರ್ಡ್, ಸಂಪನ್ಮೂಲ ಮಂತ್ರಾಲಯದ ಬೆಂಗಳೂರು - 560 027.
Registered Office : BEML Southda, 23/1, 4th Main, S.R. Nagar, Bangalore - 560 027
Bangalore Complex, New Thippasandra, Bangalore - 560 075, P.B. No. 7501
Email : bemlgr@bgl.vsnl.net.in ; bemlgr@dataone.in

ಕರ್ಪೊರೇಟ್ ಆಫೀಸ್ : ಬಿಇಎಂಎಲ್ ಲಿಮಿಟೆಡ್, ಕೆ.ಜಿ.ಎಫ್ ಸಂಕೀರ್ಣ, ಬಿಇಎಂಎಲ್ ಕಂಪ್ಲೆಕ್ಸ್,
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ಕೋಲ್ ಗೋಲ್ಡ್ ಫೀಲ್ಡ್ಸ್-563115, ಕರ್ನಾಟಕ, ಭಾರತ
ದೂರವಾರ್ತೆ ಸಂಖ್ಯೆ : 08153-263777, 263213, ಫ್ಯಾಕ್ಸ್ : 08153-263274, 263880
ಇಮೇಲ್ : e@beml.co.in ek@beml.co.in

2024
BEML Ltd

PERFORMANCE CERTIFICATES



2024
National Aerospace Laboratories

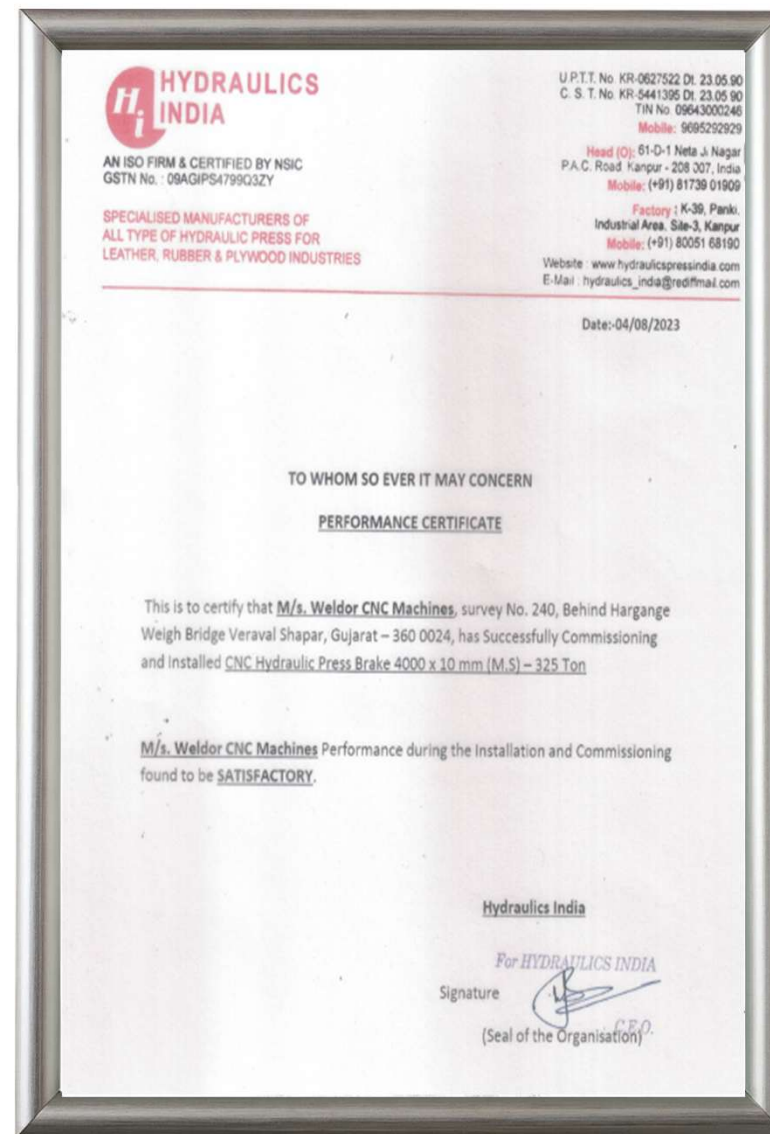


2023
Kalyani Cast Tech Ltd

PERFORMANCE CERTIFICATES

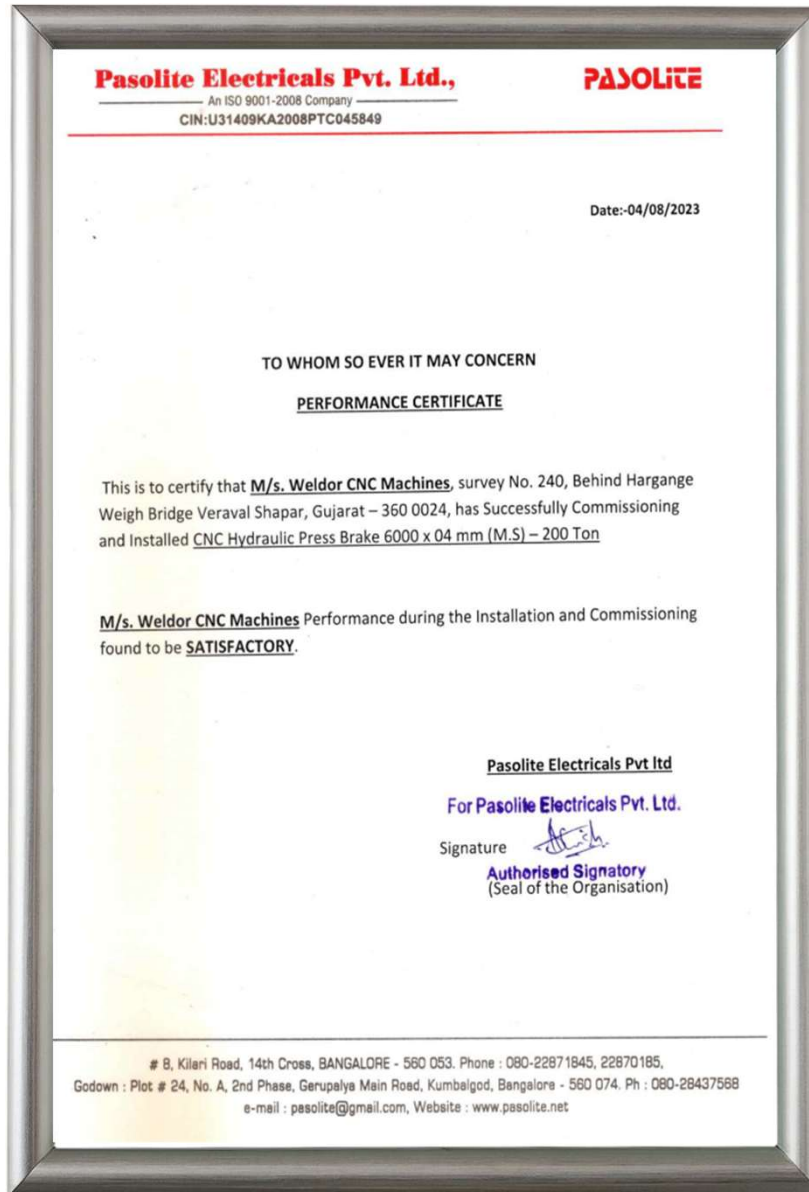


2023
TII India Pvt Ltd

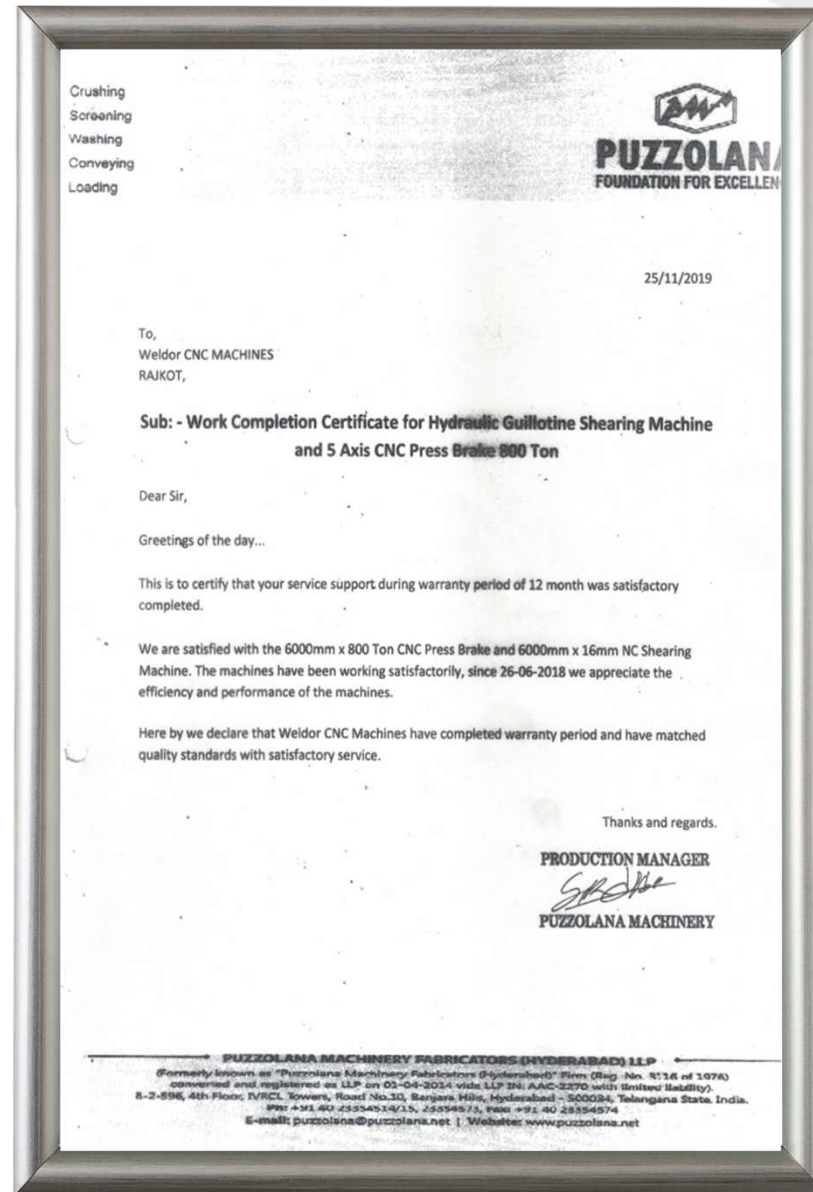


2023
HYDRAULICS INDIA

PERFORMANCE CERTIFICATES



2023
PASSOLITE ELECTRICALS
PVT. LTD.

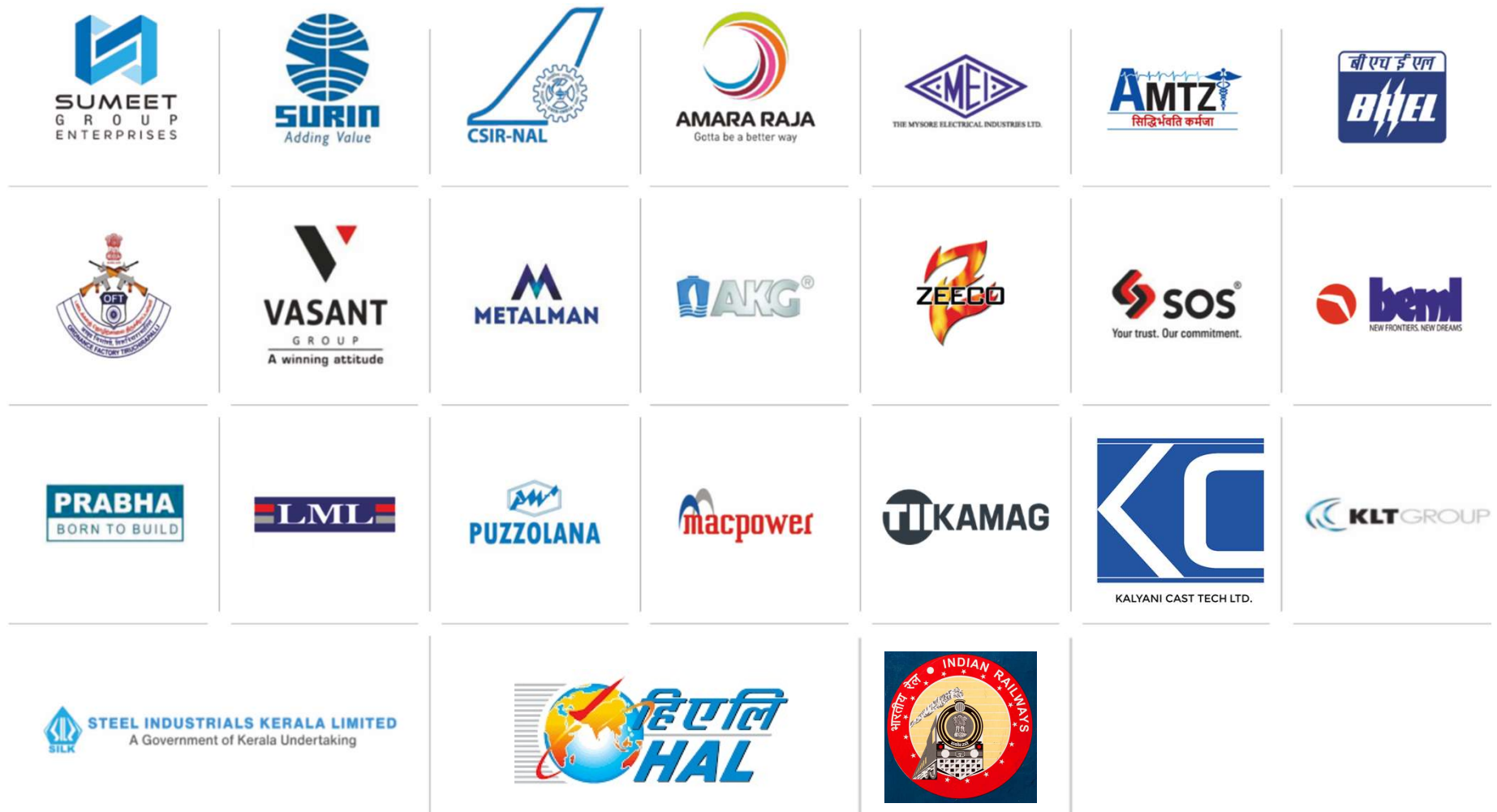


2019
PUZZOLANA

OUR CLIENTS

Trusted by Industry Leaders Across India

From National Research Labs to Major Manufacturing Giants, Weldor CNC Machines Limited power some of the most respected names in the industry. Our Clientele Spans Sectors such as **Aerospace, Automotive, Engineering, Energy, & Infrastructure** each a testament to our **Precision, Performance & Partnership**.



OUR PRODUCT LINE-UP

Engineered to Perform.

Each Weldor CNC Machine is designed to Deliver Precision, Durability, & Control built for Industries that shape the Future. Here's a look at our Signature Product Range.



N SERIES
PRESS BRAKE



S SERIES
PRESS BRAKE



MS SERIES
CNC HYDRAULIC PRESS BRAKE
WITH MAIN MOTOR SERVO



H3D SERIES
CNC HYBRID PRESS BRAKE
WITH DUAL SERVO

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PREMIUM SERIES
PRESS BRAKE



CNC V
GROOVING



PIPE
PUNCHING



2 YEARS OF UNMATCHED WARRANTY

- ▣ **Comprehensive Coverage** : Warranty on all major components
- ▣ **Zero Compromise on Quality** : Assured performance & durability
- ▣ **Customer-first Support** : Priority service throughout the period
- ▣ **Peace of Mind** : No hidden terms, transparent assurance

Every Weldor machine comes with a 2-year comprehensive warranty
- a commitment to performance, durability, and peace of mind.

INDUSTRY APPLICATIONS

Versatility Built In.

Weldor CNC Machines are trusted across a wide spectrum of Industries where Precision, Durability & Consistency are Non-Negotiable. **From Defense to Infrastructure, Railways to Refrigeration**, Our Technology adapts to the needs of every sector we serve.



DEFENSE AEROSPACE



HEAVY ELECTRICALS



INDIAN RAILWAY

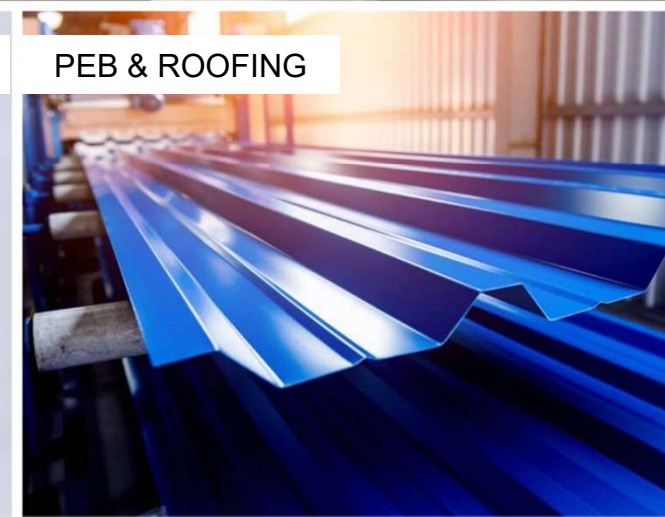
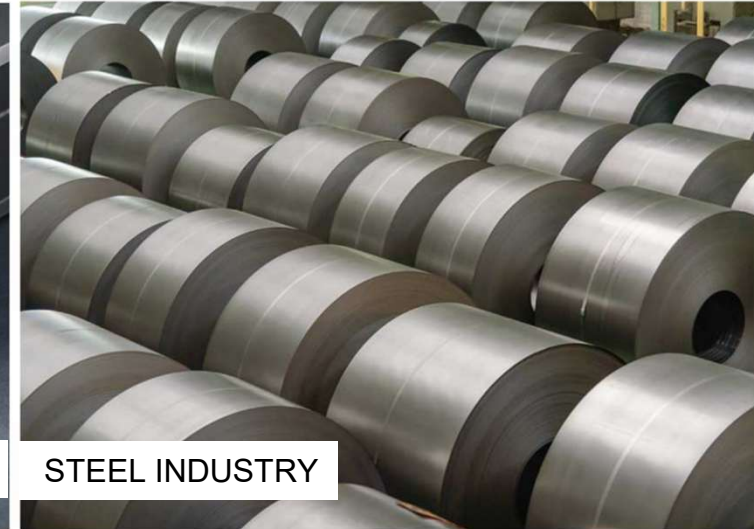
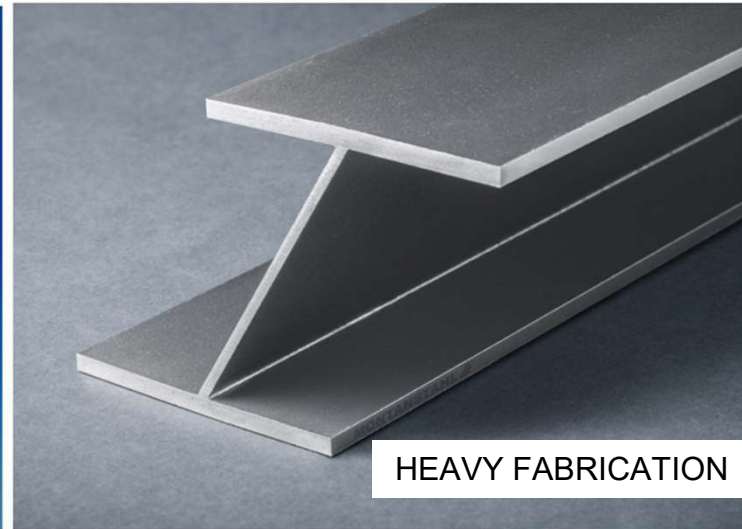


AUTOMOTIVE

INDUSTRY APPLICATIONS

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INDUSTRY APPLICATIONS

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REFRIGERATION INDUSTRY



FURNITURE – HOSPITAL / ALMIRAH / RACKING SYSTEMS ETC.



MACHINE TOOL GAURDINGS



TOWER LINE TRANSMISSION & POWER



OUR FUTURE VISION

Future-Ready, Globally Aligned

At Weldor, we're not just building machines—We're building the future of sheet metal forming. With strategic investments in smart automation, next-gen CNC tech, and global partnerships, we're setting new benchmarks for performance, precision, & scale.



Global Footprint

We're scaling beyond borders—strengthening our export operations, aligning with global manufacturing benchmarks, and aiming to establish Weldor CNC Machines as a trusted name across international markets.

Smart & Connected Machines


With a focus on Industry 4.0, we're building intelligent, automated systems that integrate real-time data, digital controls, and modular upgrades—empowering clients with unmatched precision and control.

Innovation through R & D

Our upcoming R&D initiatives will drive innovation in hydraulic efficiency, motion control, and machine design—ensuring Weldor CNC Machines stays ahead of evolving industrial needs.

Sustainable & Skilled Future

We're investing in sustainability through efficient, low-waste production and nurturing a new generation of skilled engineers and technicians who will carry our legacy forward.



MANUFACTURING EXCELLENCE

Where Precision Meets Scale.

Backed by robust infrastructure and a highly skilled team, Weldor CNC Machines Ltd manufacturing facility is built for Performance at Scale. Every Machine we produce is the result of Streamlined Processes, purpose-Built Shops, and a Commitment to Quality.

STATE-OF-THE-ART MANUFACTURING FACILITY

Our advanced manufacturing unit, supported by a network of precision CNC vendors, enables an annual production capacity of more than **175 CNC Machines**.

This ensures unmatched quality and precision across all products.

INFRASTRUCTURE

Assembly Shop : 9,500 sq. ft. dedicated space for streamlined machine assembly.

Machine Shop : 11,000 sq. ft. facility equipped for precision machining.

Fabrication Shop : 9,500 sq. ft. setup for efficient metal fabrication and welding.





PAINT SHOP

Equipped with a team of skilled painters and a dedicated paint storage area for safe, organized operations.

ELECTRICAL PANEL ASSEMBLY & TESTING ROOM

Specialized in-house facility for wiring and testing, managed by trained electricians.



STORE

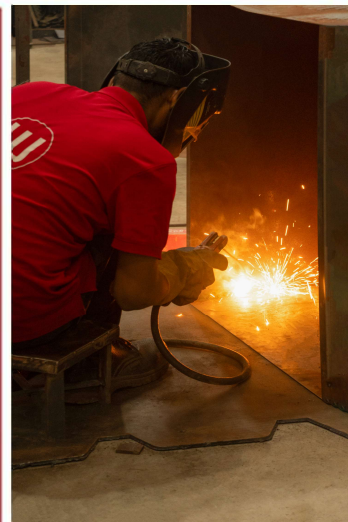
A centralized inventory and procurement hub, efficiently managed by a store-keeper and purchase officer.

OFFICE – Sales / Marketing / Finance / Purchase

Fully functional office adjacent to the factory for smooth administrative workflows.

DEDICATED DESIGN OFFICE

Equipped with a team of experienced design personnel to handle engineering and development needs.



CAPACITY OVERVIEW

Our advanced machinery enables efficient manufacturing for medium- to heavy-duty sectors with:

Production of Large Frames & Components

CNC and DRO Floor Boring Machines handle massive workpieces up to 8,000 mm with high precision.

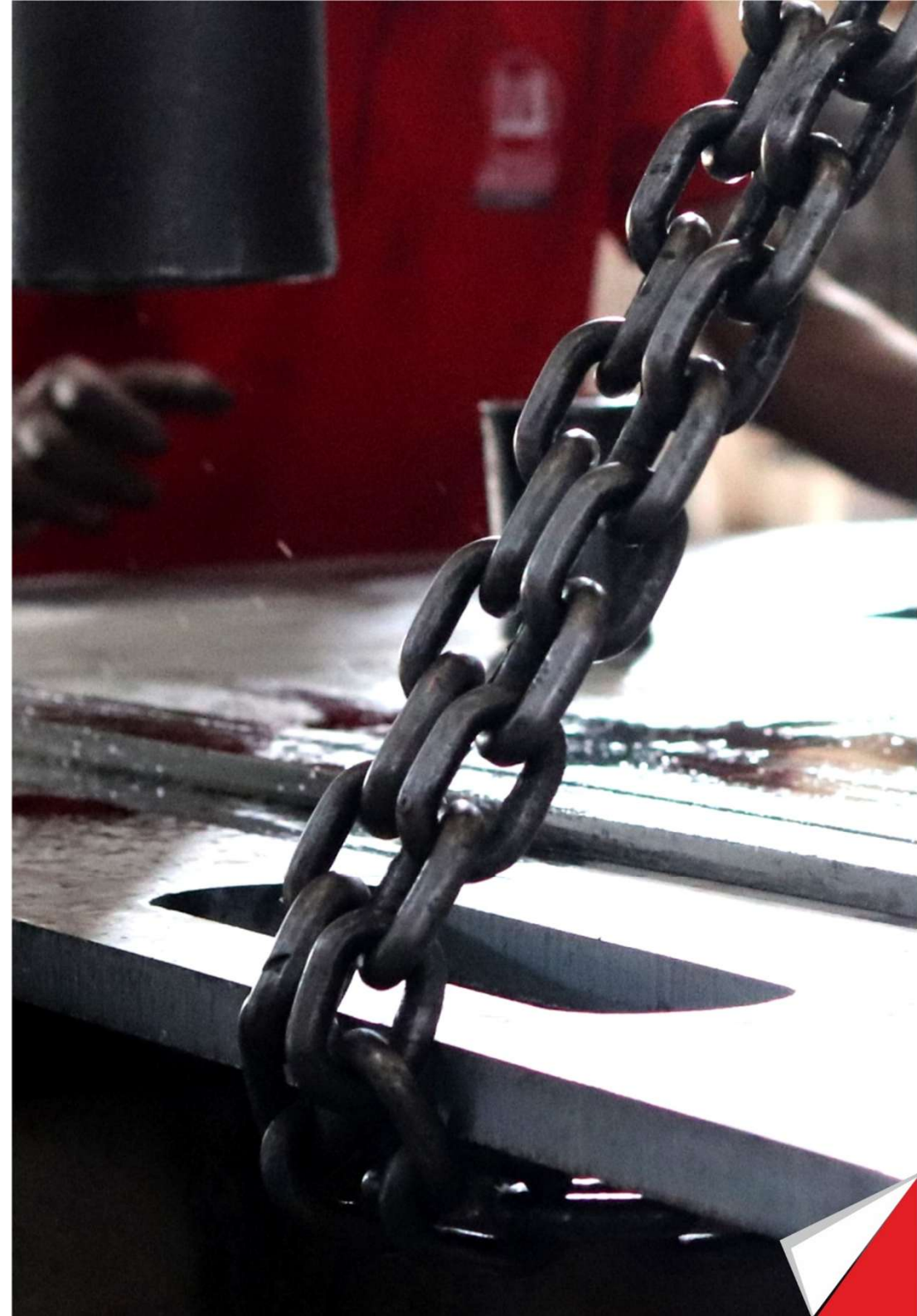
Machining Complex Geometries

Bed and Plano Milling Machines ensure flexibility in intricate machining, reducing outsourcing needs.

Batch & Custom Manufacturing

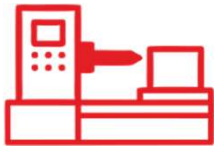
A versatile machine mix supports both high-volume batch production and specialized one-off manufacturing.

With a well-structured facility layout and strong vendor collaborations, we ensure optimized workflows and high-quality output.



MACHINING CAPACITY

Our facility is equipped with a wide range of advanced large-scale machining equipment, designed to deliver precision, consistency, and efficiency in handling complex, heavy, and oversized components with the highest standards of quality and reliability.



NC FLOOR BORING MACHINE (GIDDINGS & LEWIS - USA)

Work Envelope: 6000 × 3000 × 1700 mm
High-precision machining with NC functionality for automation and repeatability.



PLANI-MILLER - (HUDDERSFIELD - UK)

Work Envelope: 4000 × 1500 × 1050 mm
Provides high stability for milling large workpieces in heavy-duty operations.



DRO FLOOR BORING MACHINE (RESELLINI - ITALY)

Work Envelope: 8000 × 1700 × 700 mm
Ideal for long components with manual assistance and Digital Readout (DRO) for moderate precision.



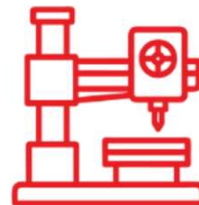
PLANNER

Work Envelope: 3000 × 1200 × 500 mm
Ideal for machining flat surfaces on small to medium-sized components.



NC BED MILLING MACHINE (MECOF - ITALY)

Work Envelope: 6700 × 1700 × 1050 mm
Combines numerical control with bed milling for accurate machining of large, flat components.



RADIAL DRILLING MACHINES

Handles versatile drilling operations with varying sizes (63 mm and 30 mm).
Ensures quick and efficient hole-making for both large and small components.

TURNING CAPACITY

Equipped with multiple lathe machines for precision turning of components in various sizes:

LATHE MACHINES (4.5' / 6' / 20')

Handles small to very large components with high accuracy. Ideal for machining shafts, cylinders, and other rotational parts.

FABRICATION & CUTTING CAPACITY

■ CNC FLAME CUTTING MACHINE

Cutting Area: 6200 × 3000 mm

Cutting Thickness: Up to 150 mm (Mild Steel)

Enables high-speed, precision cutting of thick metal sheets for industrial applications.

■ HYDRAULIC SHEARING MACHINE

Capacity: 3100 × 10 mm (Variable Rake Angle)

Designed for cutting oil tank plates and general-purpose sheet metal fabrication.

■ HYDRAULIC PRESS

(300 Ton, 150 Ton – WELDOR, India)

Essential for forming, bending, and shaping metal components with high precision.



STRESS-RELIEF & ADDITIONAL CAPACITY

- Vibratory Stress Relieving Machine reduces residual stresses in machined and welded components.
- Enhances dimensional stability and overall performance.

STRESS-RELIEF & ADDITIONAL CAPACITY

Conventional Shaper Machine used for small-scale shaping and finishing tasks.

OVERALL MANUFACTURING CAPACITY

The unit's advanced infrastructure enables:

- Fabrication & Machining of large-scale components efficiently.
- High-Precision Operations with both manual and NC capabilities.
- End-to-End Manufacturing including cutting, machining, forming, and stress relief.



MACHINING & FABRICATION SHOP

CNC FLOOR BORING MACHINE

6000 x 3000 x 1700 mm
GIDDING & LEWIS, USA

DRO FLOOR BORING MACHINE

8000 x 1700 x 700 mm
RESELLINI, ITALY

NC BED MILLING MACHINE

6700 x 1700 x 1050 mm
MECOF, ITALY

PLANO - MILLER

4000 x 1500 x 1050 mm
HUDDERSFIELD, UK

PLANNER

3000 x 1200 x 500 mm

LATHE MACHINE

1350 mm (4.5')

LATHE MACHINE

2100 mm (6')

LATHE MACHINE

6000 mm (20')

CONVENTIONAL SHAPER MACHINE

CNC FLAME CUTTING

6200 x 3000 mm
CUTTING THICKNESS UPTO - 150 mm
MILD STEEL

CNC FLAME CUTTING

9200 x 3000 mm -
CUTTING THICKNESS UPTO - 150 mm
MILD STEEL

VIBRATORY STRESS RELIEVING MACHINE

HYDRAULIC PRESS

300 TON
WELDOR, INDIA



N SERIES

HYBRID DRIVE SYSTEM



N-Series ADVANTAGES



Hybrid Drive System



Single Cylinder for Bending
Small Parts



Fast , Rigid, Low Noise



Multiple Backgauge Axis Options

HYBRID DRIVE SYSTEM

TECHNICAL SPECIFICATIONS

MODEL	UNIT	HBD - N1	HBD - N2	HBD - N3	HBD - N4
TONNAGE	TON	25	25	30	40
BENDING LENGTH X THICKNESS	MM	1000 X 3.15	1250 X 2.5	1250 X 03	1250 X 04
FRAME GAP	MM	1000	1250	1250	1250
Y - APPROACH	MM/S	140	140	140	140
Y - PRESSING	MM/S	10	10	10	10
Y - RETURN	MM/S	140	140	140	140
DAYLIGHT	MM	375	375	375	375
STROKE	MM	150	150	150	150
TABLE WIDTH	MM	90	90	90	90
TABLE HEIGHT	MM	800	800	800	800
THROAT	MM	200	200	200	200
BACKGAUGE FINGER BLOCKS	NOS.	2	2	2	2
X - AXIS TRAVEL	MM	500	500	500	500
R - AXIS TRAVEL	MM	100	100	100	100
PEAK POWER	KW	3	3	4.4	5
OIL TANK	LTR	35	35	35	35
LENGTH	MM	1500	1850	1850	1850
WIDTH	MM	1200	1200	1200	1200
HEIGHT	MM	2200	2200	2200	2200

S SERIES CNC HYDRAULIC PRESS BRAKE



S -Series Advantages



Standardized Models



Fast Delivery



Customizable



Economical



Ranges: 40 Ton - 2000 Ton



Multiple Back-Gauge Axis

S SERIES

CNC HYDRAULIC PRESS BRAKE

TECHNICAL SPECIFICATIONS

MODEL	WCMPB	S1	S2	S3	S4	S5	S6	S7	S8	S9	S10
TONNAGE	TON	40	50	65	65	80	80	100	100	100	120
BENDING LENGTH X THK.	MM	1500 x 3.15	2050 x 3	2050 x 4	2500 x 3	2500 X 4	3100 x 3	2500 x 5	3100 X 4	4000 x 3	2500 x 6
DISTANCE BETWEEN HOUSING	MM	1050	1550	1550	2050	2050	2550	2050	2550	3400	2050
Y RAPID SPEED	MW/SEC	100	100	100	100	100	100	100	100	100	100
Y WORKING SPEED	MW/SEC	8	8	8	8	10	10	10	10	10	10
Y RETURN SPEED	MW/SEC	80	80	80	80	60	60	60	60	60	60
DAY LIGHT	MM	375	375	375	375	375	375	375	375	375	375
TABLE WIDTH	MM	90	90	90	90	60	60	60	60	60	90
TABLE HEIGHT	MM	800	800	800	800	900	900	900	900	900	965
STROKE	MM	150	150	150	150	150	150	150	150	150	175
THROAT DEPTH	MM	300	300	300	300	300	300	300	300	300	300
BACK GAUGE FINGER BLOCK	AMOUNT	2	2	2	2	2	2	2	2	2	2
TRAVEL IN X AXIS	MM	500	500	500	500	600	600	600	600	600	600
TRAVEL IN R AXIS	MV(+/-)	100	100	100	100	100	100	100	100	100	100
MOTOR POWER	HP/KW	5 / 3.7	7.5 / 5.5	7.5/5/5	7.5/5/5	10 / 7.5	10 / 7.5	10 / 7.5	10 / 7.5	10 / 7.5	12.5/9
OIL TANK CAPACITY	LTR	300	300	300	300	450	450	450	450	450	450
LENGTH (L)	MM	1750	2500	2500	3000	3100	3500	3000	3500	4500	3100
WIDTH (W)	MM	1200	1300	1300	1300	1350	1400	1500	1500	1500	1600
HEIGHT (H)	MM	2350	2400	2400	2400	2450	2450	2600	2450	2600	2750

S SERIES

CNC HYDRAULIC PRESS BRAKE

TECHNICAL SPECIFICATIONS

MODEL	WCMPB	S11	S12	S13	S14	S15	S16	S17	S18	S19	S20
TONNAGE	TON	120	130	160	160	160	200	200	200	200	200
BENDING LENGTH X THK.	MM	3100 x 5	4000 x 4	2500 x 8	3100 X 6	4000 X 5	2500 x 10	3100 X 8	4000 X 6	5000 X 5	6000 X 4
DISTANCE BETWEEN HOUSING	MM	2550	3400	2050	2550	3400	2050	2550	3400	4000	5000
Y RAPID SPEED	MW/SEC	100	100	100	100	100	70	70	70	70	70
Y WORKING SPEED	MW/SEC	10	10	8	8	8	8	8	8	8	8
Y RETURN SPEED	MW/SEC	60	60	70	70	60	50	50	50	50	50
DAY LIGHT	MM	375	375	400	400	400	475	475	475	475	475
TABLE WIDTH	MM	90	90	90	90	90	90	90	90	90	90
TABLE HEIGHT	MM	965	965	965	965	965	965	965	965	965	965
STROKE	MM	150	175	175	175	175	250	225	225	225	225
THROAT DEPTH	MM	300	300	300	300	300	300	300	300	300	300
BACK GAUGE FINGER BLOCK	AMOUNT	2	2	2	2	2	2	2	2	2	4
TRAVEL IN X AXIS	MM	600	600	600	600	600	600	600	600	600	600
TRAVEL IN R AXIS	MV(+/-)	100	100	100	100	100	100	100	100	100	100
MOTOR POWER	HP/KW	12/9	12.5/9	15/11.2	15/11.2	15/11.2	20/15	20/15	20/15	20/15	20/15
OIL TANK CAPACITY	LTR	500	450	450	500	500	450	500	550	600	600
LENGTH (L)	MM	3700	4500	3150	3500	4500	3150	3500	4500	5500	6500
WIDTH (W)	MM	1600	1600	1650	1650	1650	1800	1800	1800	1800	1800
HEIGHT (H)	MM	2600	2750	2800	2700	2700	3050	2700	2700	2700	2700

S SERIES

CNC HYDRAULIC PRESS BRAKE

TECHNICAL SPECIFICATIONS

MODEL	WCMPB	S21	S22	S23	S24	S25	S26	S27	S28	S29	S30
TONNAGE	TON	250	250	250	250	325	325	325	325	425	425
BENDING LENGTH X THK.	MM	3100 X 10	4000 X 8	5000 X 6	6000 X 4	3100 x 13	4000 x 10	5000 x 08	6000 x 06	3100 X 17.5	4000 x 13
DISTANCE BETWEEN HOUSING	MM	2550	3400	4000	5000	2550	3400	4000	5000	2550	3400
Y RAPID SPEED	MW/SEC	70	70	70	70	60	60	60	60	50	50
Y WORKING SPEED	MW/SEC	8	8	8	8	8	8	8	8	7	7
Y RETURN SPEED	MW/SEC	50	50	50	50	50	50	50	50	50	50
DAY LIGHT	MM	500	500	500	500	500	500	500	500	550	550
TABLE WIDTH	MM	90	120	120	120	150	150	150	150	200	200
TABLE HEIGHT	MM	965	965	965	965	965	1000	1000	1000	1100	1100
STROKE	MM	225	250	250	300	250	250	250	250	300	300
THROAT DEPTH	MM	300	300	300	300	300	300	300	300	325	325
BACK GAUGE FINGER BLOCK	AMOUNT	2	3	3	4	2	3	3	3	4	4
TRAVEL IN X AXIS	MM	700	700	700	700	700	700	700	700	700	700
TRAVEL IN R AXIS	MV(+/-)	120	120	120	120	120	120	120	120	120	120
MOTOR POWER	HP/KW	25/18.75	25/18.75	25/18.75	25/18.75	40 / 30	40 / 30	40 / 30	40 / 30	50/37.5	50/37.5
OIL TANK CAPACITY	LTR	600	600	600	600	650	650	650	650	700	700
LENGTH (L)	MM	3500	4500	5500	6500	3800	4800	5800	6800	3850	4850
WIDTH (W)	MM	1850	1850	1850	1850	1850	1850	1850	1850	2100	2100
HEIGHT (H)	MM	2800	2800	2800	2800	2900	2900	2900	2900	3000	3000

S SERIES

CNC HYDRAULIC PRESS BRAKE

TECHNICAL SPECIFICATIONS

MODEL	WCMPB	S31	S32	S33	S34	S35	S36	S37	S38	S39	S40
TONNAGE	TON	425	425	600	600	600	600	800	800	800	800
BENDING LENGTH X THK.	MM	5000 x 10	6000 x 08	4000 X 18	5000 x 15	6000 x 12.5	8000 X 9 mm	5000 x 20	6000 X 16	8000 X 12.5	9100 x 10
DISTANCE BETWEEN HOUSING	MM	4000	5000	3400	4000	5000	7000	4000	5000	7000	8000
Y RAPID SPEED	MW/SEC	50	50	50	50	50	50	50	50	50	50
Y WORKING SPEED	MW/SEC	7	7	6	6	6	6	5	5	5	5
Y RETURN SPEED	MW/SEC	50	50	40	40	40	40	40	40	40	40
DAY LIGHT	MM	550	550	625	625	625	625	625	625	625	625
TABLE WIDTH	MM	200	200	250	250	250	250	250	250	250	250
TABLE HEIGHT	MM	1100	1100	1200	1200	1250	1250	1250	1250	1250	1250
STROKE	MM	300	300	325	325	325	325	325	325	325	325
THROAT DEPTH	MM	325	325	325	325	325	325	325	325	325	325
BACK GAUGE FINGER BLOCK AMOUNT		3	4	3	3	4	4	4	4	4	4
TRAVEL IN X AXIS	MM	700	700	700	700	700	700	700	700	700	700
TRAVEL IN R AXIS	MV(+/-)	120	120	120	120	120	120	120	120	120	120
MOTOR POWER	HP/KW	50/37.5	50/37.5	60/45	60/45	60/45	60/45	60/45	60/45	60/45	60/45
OIL TANK CAPACITY	LTR	700	700	800	800	800	800	1000	1000	1000	1000
LENGTH (L)	MM	5550	6850	4900	5900	6900	9000	6000	7000	9000	10100
WIDTH (W)	MM	2100	2100	2300	2300	2300	2300	2400	2400	2400	2400
HEIGHT (H)	MM	3000	3000	3200	3200	3200	3200	3400	3400	3400	3400

MS SERIES

CNC HYDRAULIC PRESS BRAKE

WITH MAIN MOTOR SERVO



MS - Series CNC PRESS BRAKE

-  Hybrid
-  High Speed
-  Better Repeatability
-  70% Less Power Consumption
-  70% Smaller Oil Tank
-  Noise Less operation
-  Multiple Backgauge Axis Options

MS SERIES
CNC HYDRAULIC PRESS BRAKE
 WITH MAIN MOTOR SERVO

TECHNICAL SPECIFICATIONS

MODEL	MS	4015	5020	6502	6525	8025	8030	1025	1003	1004	1325
TONNAGE	TON	40	50	65	65	80	80	100	100	100	130
BENDING LENGTH X THK.	MM	1500 x 3.15	2050 x 3	2050 x 4	2500 x 3	2500 X 4	3100 x 3	2500 x 5	3100 X 4	4000 x 3	2500 x 6
DISTANCE BETWEEN HOUSING	MM	1050	1550	1550	2050	2050	2550	2050	2550	3400	2050
Y RAPID SPEED	MW/SEC	140	140	140	140	140	140	140	140	140	140
Y WORKING SPEED	MW/SEC	10	10	10	10	10	10	10	10	10	10
Y RETURN SPEED	MW/SEC	140	140	140	140	140	140	140	140	140	140
DAY LIGHT	MM	375	375	375	375	375	375	375	375	375	375
TABLE WIDTH	MM	90	90	90	90	60	60	60	60	60	90
TABLE HEIGHT	MM	800	800	800	800	900	900	900	900	900	965
STROKE	MM	150	150	150	150	150	150	150	150	150	175
THROAT DEPTH	MM	300	300	300	300	300	300	300	300	300	300
BACK GAUGE FINGER BLOCK	AMOUNT	2	2	2	2	2	2	2	2	2	2
TRAVEL IN X AXIS	MM	500	500	500	500	600	600	600	600	600	600
TRAVEL IN R AXIS	MV(+/-)	100	100	100	100	100	100	100	100	100	100
MOTOR POWER	KW	10 kW	10 kW	10 kW	10 kW	14 kW	14 kW	14 kW	14 kW	14 kW	15 kW
OIL TANK CAPACITY	LTR	320	320	320	320	450	450	450	450	450	450
LENGTH (L)	MM	1750	2500	2500	3000	3100	3500	3000	3550	4500	3100
WIDTH (W)	MM	1200	1300	1300	1300	1350	1400	1500	1500	1500	1600
HEIGHT (H)	MM	2350	2400	2400	2400	2450	2450	2600	2600	2600	2750

MS SERIES

CNC HYDRAULIC PRESS BRAKE

WITH MAIN MOTOR SERVO

TECHNICAL SPECIFICATIONS

MODEL	MS	1303	1304	1525	1503	1504	2025	2003	2004	2005	2006
TONNAGE	TON	130	130	150	150	150	200	200	200	200	200
BENDING LENGTH X THK.	MM	3100 x 5	4000 x 4	2500 x 8	3100 X 6	4000 X 5	2500 x 10	3100 X 8	4000 X 6	5000 X 5	6000 X 4
DISTANCE BETWEEN HOUSING	MM	2550	3400	2050	2550	3400	2050	2550	3400	4000	5000
Y RAPID SPEED	MW/SEC	140	140	140	140	140	140	140	140	140	140
Y WORKING SPEED	MW/SEC	10	10	10	10	10	10	10	10	10	10
Y RETURN SPEED	MW/SEC	140	140	140	140	140	140	140	140	140	140
DAY LIGHT	MM	375	375	400	400	400	475	475	475	475	475
TABLE WIDTH	MM	90	90	90	90	90	90	90	90	90	90
TABLE HEIGHT	MM	965	965	965	965	965	965	965	965	965	965
STROKE	MM	150	175	175	175	175	250	225	225	225	225
THROAT DEPTH	MM	300	300	300	300	300	300	300	300	300	300
BACK GAUGE FINGER BLOCK	AMOUNT	2	2	2	2	2	2	2	2	2	2
TRAVEL IN X AXIS	MM	600	600	600	600	600	600	600	600	600	600
TRAVEL IN R AXIS	MV(+/-)	100	100	100	100	100	100	100	100	100	100
MOTOR POWER	KW	15 kW	15 kW	18 kW	18 kW	18 kW	25 kW	25 kW	25 kW	25 kW	25 kW
OIL TANK CAPACITY	LTR	500	450	450	450	450	450	450	450	450	450
LENGTH (L)	MM	3500	4500	3150	3750	4750	3150	3800	4800	5800	6900
WIDTH (W)	MM	1600	1600	1700	1700	1700	1800	1800	1800	1800	1800
HEIGHT (H)	MM	2750	2750	2800	2800	2800	3050	3050	3050	3050	3050

MS SERIES

CNC HYDRAULIC PRESS BRAKE

WITH MAIN MOTOR SERVO

TECHNICAL SPECIFICATIONS

MODEL	MS	2503	2504	2505	2506	3253	3254	3255	3256	4253	4254	4255	4256
TONNAGE	TON	250	250	250	250	325	325	325	325	425	425	425	425
BENDING LENGTH X THK.	MM	3100 X 10	4000 X 8	5000 X 6	6000 X 4	3100 x 13	4000 x 10	5000 x 08	6000 x 06	3100 X 17.5	4000 x 13	5000 x 10	6000 x 08
DISTANCE BETWEEN HOUSING	MM	2550	3400	4000	5000	2550	3400	4000	5000	2550	3400	4000	5000
Y RAPID SPEED	MW/SEC	140	140	140	140	140	140	140	140	140	140	140	140
Y WORKING SPEED	MW/SEC	8	8	8	8	8	8	8	8	8	8	8	8
Y RETURN SPEED	MW/SEC	120	120	120	120	100	100	100	100	100	100	100	100
DAY LIGHT	MM	500	500	500	500	500	500	500	500	550	550	550	550
TABLE WIDTH	MM	90	120	120	120	150	150	150	150	200	200	200	200
TABLE HEIGHT	MM	965	965	965	965	965	1000	1000	1000	1100	1100	1100	1100
STROKE	MM	225	250	250	300	250	250	250	250	300	300	300	300
THROAT DEPTH	MM	300	300	300	300	300	300	300	300	325	325	325	325
BACK GAUGE FINGER BLOCK	AMOUNT	2	2	2	2	2	2	2	2	2	2	2	2
TRAVEL IN X AXIS	MM	700	700	700	700	700	700	700	700	700	700	700	700
TRAVEL IN R AXIS	MV(+/-)	120	120	120	120	120	120	120	120	120	120	120	120
MOTOR POWER	KW	30 kW	30 kW	30 kW	30 kW	35 kW	35 kW	35 kW	35 kW	40 kW	40kW	40kW	40kW
OIL TANK CAPACITY	LTR	650	650	650	650	650	650	650	650	650	650	650	650
LENGTH (L)	MM	3800	4800	5850	6800	3800	4800	5800	6800	3850	4850	5550	6850
WIDTH (W)	MM	1800	1800	1800	1800	1850	1850	1850	1850	2100	2100	2100	2100
HEIGHT (H)	MM	3100	3100	3100	3100	3150	3150	3150	3150	3200	3200	3200	3200

HBD SERIES CNC HYBRID PRESS BRAKE WITH DUAL SERVO



HBD - Series (HYBRID) CNC PRESS BRAKE

 Hybrid

 High Speed

 Better Repeatability

 70% Less Power Consumption

 70% Smaller Oil Tank

 Noise Less operation

 Multiple Backgauge Axis Options

H3D SERIES

CNC HYBRID PRESS BRAKE

WITH DUAL SERVO

TECHNICAL SPECIFICATIONS

Model	UNIT	HBD 5020	HBD 8025	HBD 1003	HBD 1203	HBD 1503	HBD 2003
TONNAGE	TON	50	80	100	120	150	200
WORKING LENGTH	mm	2050 x 3	2500 x 4	3100 x 4	3100 x 5	3100 x 6	3100 x 8
DISTANCE BETWEEN HOUSING	mm	1550	2050	2550	2550	2550	2550
STROKE	mm	200	200	200	200	225	275
DAYLIGHT	mm	400	400	400	400	450	525
THROAT	mm	400	400	400	400	400	400
TABLE WIDTH	mm	60	60	60	90	90	90
TABLE HEIGHT	mm	850	900	900	965	965	965
APPROACH SPEED	mm/s	200	200	200	200	170	150
PRESSING SPEED	mm/s	10	10	10	10	10	10
RETURN SPEED	mm/s	170	170	170	170	140	120
POWER CONSUMPTION	kW	10	10	10	10	12.5	15
X-AXIS TRAVEL	mm/s	500	600	600	600	600	600
R-AXIS TRAVEL	mm/s	100	100	100	100	120	120
OIL TANK	Ltr.	70	70	70	70	85	100
LENGTH	mm	2445	2895	3495	3500	3550	3600
WIDTH	mm	1500	1750	1750	1750	1800	1850
HEIGHT	mm	2750	2895	2970	3050	3130	3210

BENDING PREMIUM SERIES HYDROLIC PRESS BRAKE



PREMIUM SERIES CNC PRESS BRAKE



Highly Accurate



Faster Speeds



Heavier Structure



Laser Angle Correction (Opt)



Hydraulic Punch Adaptors (Opt)



Main Motor Servo (Opt)



Larger Daylight & Stroke



Multiple Backgauge Axis Options

BENDING PREMIUM SERIES

HYDROLIC PRESS BRAKE

TECHNICAL SPECIFICATIONS

Model	UNIT	PS 5020	PS 8025	PS 1003	PS 1203	PS1503	PS 2003
TONNAGE	TON	50	80	100	120	150	200
WORKING LENGTH	mm	2050 x 3	2500 x 4	3100 x 4	3100 x 5	3100 x 6	3100 x 8
DISTANCE BETWEEN HOUSING	mm	1550	2050	2550	2550	2550	2550
STROKE	mm	250	250	250	250	250	250
DAYLIGHT	mm	520	520	520	520	520	520
THROAT	mm	400	400	400	400	400	400
TABLE WIDTH	mm	60	60	60	90	90	90
TABLE HEIGHT	mm	850	900	950	965	965	965
APPROACH SPEED	mm/s	200	200	200	200	170	160
PRESSING SPEED	mm/s	14	14	14	14	12	10
RETURN SPEED	mm/s	170	170	170	170	130	120
POWER CONSUMPTION	kW/HP	7.5 / 10	15 / 20	15 / 20	20 / 25	22 / 30	30 / 40
X-AXIS TRAVEL	mm/s	500	600	600	600	600	600
R-AXIS TRAVEL	mm/s	100	100	100	120	120	120
OIL TANK	Ltr.	320	420	420	420	420	420
LENGTH	mm	2950	3400	3850	3900	3900	4000
WIDTH	mm	1650	1750	1750	1800	1800	1850
HEIGHT	mm	2750	2850	2850	2900	2950	3050

HEAVY TONNAGE - CNC PRESS BRAKE DELIVERED



CNC CONTROLS



CYBELEC CYBTOUCH 8PS

- 8" Touch Screen Colour Display With Simple Page, Clear Display & Large Key.
- Intuitive And Userfriendly Interface.
- Easy Single Bends With The Easybend Page.
- 2d Graphics Profile Creation With Manual Sequencing
- Bend Allowance Calculation.
- Pressure - Crowning Calculation.
- Bending Angle And Back Gauge Correction.
- Memory: 10 Materials | 24 Steps | 300 Programs | 100 Punches | 100 Dies.



CYBELEC VISITOUCH 12 SERIES

- 12" Touch Screen Colour Display With Simple Page, Clear Display & Large Key.
- Intuitive And Userfriendly Interface.
- Easy Single Bends With The Easybend Page.
- Easy Manual Movement
- 20 Graphics Profile Creation With Manual Sequencing
- Bend Allowance Calculation.
- Pressure - Crowning Calculation.
- Bending Angle And Back Gauge Correction.
- Memory: 10 Materials | 24 Steps | 300 Programs | 100 Punches | 100 Dies.

CNC CONTROLS



CYBELEC CYBTOUCH 15PS

- 15* Modern streamlined Glass Surface Touch Screen That Can Be Used With Gloves.
- User Friendly Hmi Thanks To Intuitive Programming and Easy To Setup With Dedicated.
- Wizards (auto Tuning).
- 2d Graphical Profile Drawing (touch Profile) And Precise 20 Program Creation
- Automatic Bending Sequence Calculation.
- Easy Single Bends Thanks To The Easybend Page
- Wide Storage Capacity.
- Internal Backup & Restore Functions



CYBELEC VISITOUCH PAC

- 19- Modern streamlined Glass Surface Touch Screen That Can Be Used With Gloves
- 2d Graphical Profile Drawing (touch Profile) And Mx Viewer (3d).
- Full Digital With Canopen* and Ethercat* Field Buses Controlling Many Axes.
- Highest Precision Of Bending Thanks To Sophisticated Algorithms.
- Automatic Bending Sequence Calculation.
- Customizable Industry 4.0.
- Customizable User Buttons For The Machine Operator.

CNC CONTROLS



CYBELEC CYBTOUCH 24

- Modern 24 inches streamlined glass surface touch screen that can be used with gloves..
- User friendly HMI, thanks to intuitive programming.
- 2D graphical profile drawing (Touch Profile) and 3D viewer
- Automatic bending sequence calculation.
- Preliminary / Final bend..

- Highest precision of bending thanks to sophisticated algorithms.
- Group management for complex production.
- Running on Windows 10 with UWF cut off protection.
- Automatic angle measurement management
- Running under Windows 10 for multitasking and networking.



CYBELEC VISITOUCH 24 Max

- Full 3D visualization and simulation.
- Parts management with DXF flat pattern and 3D format files import..
- DXF Export.
- Automatic solutions of complex parts: automatic bend sequencing, gauging, tooling and auto segmentation..
- Highest precision of bending thanks to sophisticated algorithms.

- Preliminary / Final bend. • Hemming management.
- Group management for complex production.
- Running under Windows 10 for multitasking and networking.
- Automatic angle measurement management
- Running under Windows 10 for multitasking and networking.

CNC CONTROLS

STEP - Rock 12 +

- Easy Bend programming table
- Home page like integrated environment for programming and production
- Multi-Station support, tools editor and archive
- Tools creation from models
- Quick and fine-tuning set-up of the machine thanks to direct access to parameters and special function like real-time monitor and oscilloscope
- TeamViewer for Remote assistance.
- Linux OS



ROCK12+

STEP - Rock 15 +

- INDUSTRY 4.0 READY
- Production management and scheduling.
- Quick Editor function to create quickly 2D parts).
- 3D Simulation with automatic best bend sequence identification with collision detection
- 3D visualization in production
- Tool navigator for a quick tooling up
- Quick and fine-tuning set-up of the machine thanks to direct access to parameters and special function like real time monitor and oscilloscope.
- Linux OS



ROCK15+

CNC CONTROLS

STEP - Rock 17 +

- INDUSTRY 4.0 READY Production management and scheduling
- Sampling of the material for an accurate production
- Exporting of computed flat patterns as DXF files
- DXF Tools and parts import
- Linux OS
- 3D Simulation with automatic best bend sequence identification with collision detection
- Tool navigator for a quick tooling up
- Quick and fine-tuning set-up of the machine thanks to direct access to parameters and special function like real time monitor and oscilloscope



STEP - Rock 22 +

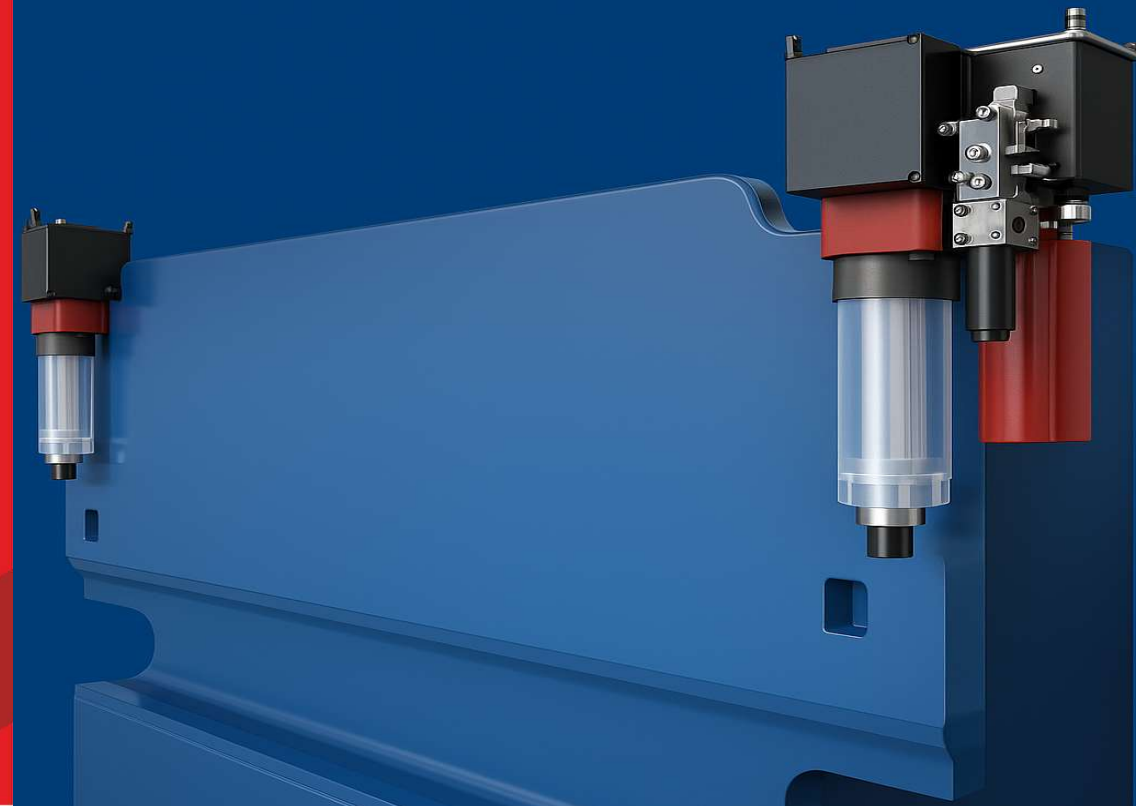
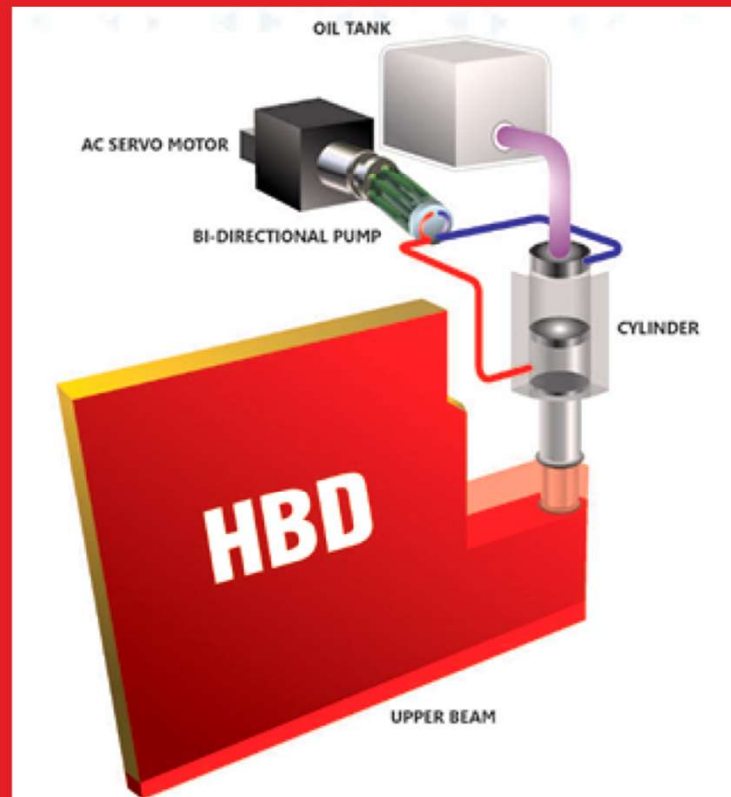
- INDUSTRY 4.0 READY
- Production management and scheduling.
- Scheduled Maintenance Management for a machine always efficient
- IoT support through MQTT protocol
- Linux OS
- Advanced programming assisted by attachments and video
- Sampling of the material for an accurate production
- 3D Simulation with automatic best bend sequence identification with collision detection
- Exporting of computed flat patterns as DXF files
- Tools and parts import from CAD (DXF and IGES/STEP on Advanced 3D)



HYBRID DRIVE SYSTEM



- Less Hydraulic Oil **Required-Smaller Oil Tank-Fewer oil changes.**
- **Low noise** - silent working – better, Productivity from the operator.
- An ultra-high precision, hybrid System featuring advanced Hydraulics that provides the **Best Repeatability.**
- Independent **Ac-servo motors drive high efficiency**, bi-directional Hydraulic pump.
- **Up-to 70% less power consumption** Hydraulic pump & motors are on, only when the ram is moving.



WELDOR CNC MACHINES – CROWNING PROCESS

UNIQUE ANTI-DEFLECTION SYSTEM

Weldor CNC Machines are engineered to deliver accuracy and consistency in sheet metal bending. To ensure uniform bending angles across the entire workpiece, even under high tonnage loads, Weldor integrates a **Unique Anti-Deflection Crowning System** in its CNC Press Brakes.



Passive Crowning

- Designed for Press Brakes up to 100 tons.
- Provides mechanical compensation for natural deflection that occurs during bending.
- Ensures consistent bending accuracy without requiring external adjustments.
- A cost-effective and reliable solution for small to mid-capacity press brakes.
- Guarantees uniform angles and precision in jobs where bending forces are moderate.

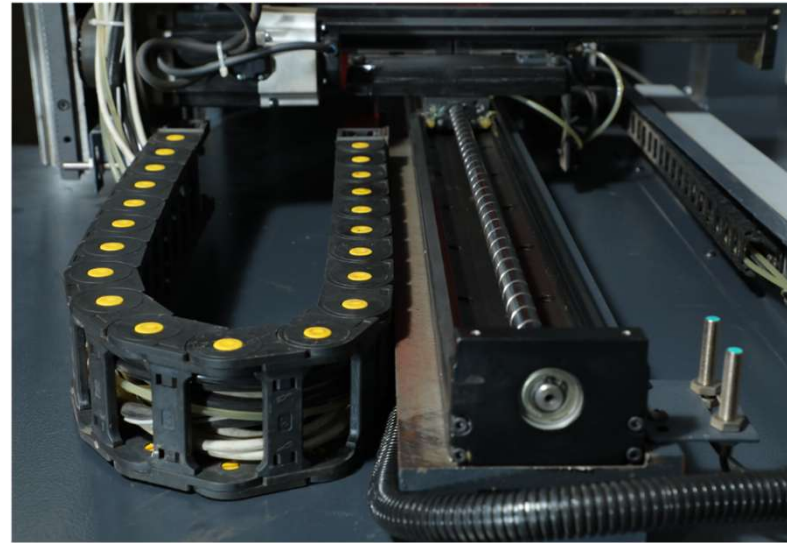
CNC Hydraulic Crowning

- Integrated into Press Brakes of 120 tons and above.
- Powered by A.C. Servo drive and hydraulic pump for precise control.
- Three-beam hydraulic crowning design automatically adjusts to correct angular deviations.
- Maintains consistent angular accuracy even in heavy-duty bending operations.
- Corrects variations caused by material thickness differences or uneven distribution of load.
- Ideal for high-volume, heavy-gauge sheet metal applications requiring superior precision.



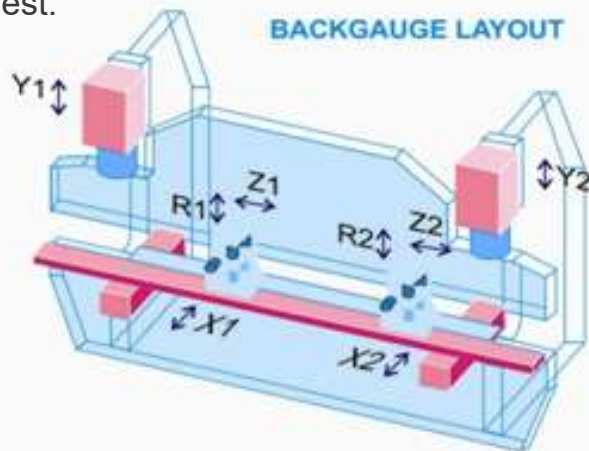
BACKGAUGE – AXIS OPTIONS

The high-precision back-gauge combines speed and accuracy with AC servo drives and KK guides for rapid positioning. Its low-profile design and fine-tuning feature ensure reliable support and perfect alignment for complex jobs.



You can choose optional independent axis movement for your complex jobs. Standard back-gauge comes with single axis, front & back - x axis option for back-gauge up & down can be added - r axis. Other axes X1, R1 (X, R slave), Z1, Z2 will make the back-gauge fully independent. Back-gauge axis options can be put as - 2 axis (X,R), 4 axis (X, R, Z1, Z2), 5 axis (X, X*, R, Z1, Z2), 6 AXIS (X1, X2, R1, R2, Z1, Z2) can be featured in the machine on specific request.

Combining payload and positioning accuracy, the new designed back gauge, specifically designed for high accuracy applications, offers an efficient solution for accurate and stable gauging. High-speed movement through KK guide on all axes ensures that the gauge fingers are positioned as quickly as the operator positions the part. AC Servo motor drives for all axes allow perfect positioning. Low profile design enables part positioning over the top of the finger slot for job resting, support and accurate reference can also be achieved with a fine-tuning knob (0.1 mm) adjustment.



BACKGAUGE – AXIS OPTIONS



1 Axis (X)



2 Axis (X,R)



4 Axis (X,R,Z1,Z2)



6 Axis (X1,X2,R1,R2,Z1,Z2)



STANDARD PUNCH HOLDERS

--- Mechanical Lever type (Amada Standard)

- **Cost-Effective** – Lower investment compared to hydraulic clamping.
- **Simple & Reliable** – Easy lever action, no hydraulic maintenance.
- **Widely Available** – Compatible with Amada standard punches/dies.
- **Durable** – Robust design with minimal wear parts.
- **Manual Control** – Operator decides clamping force and release.

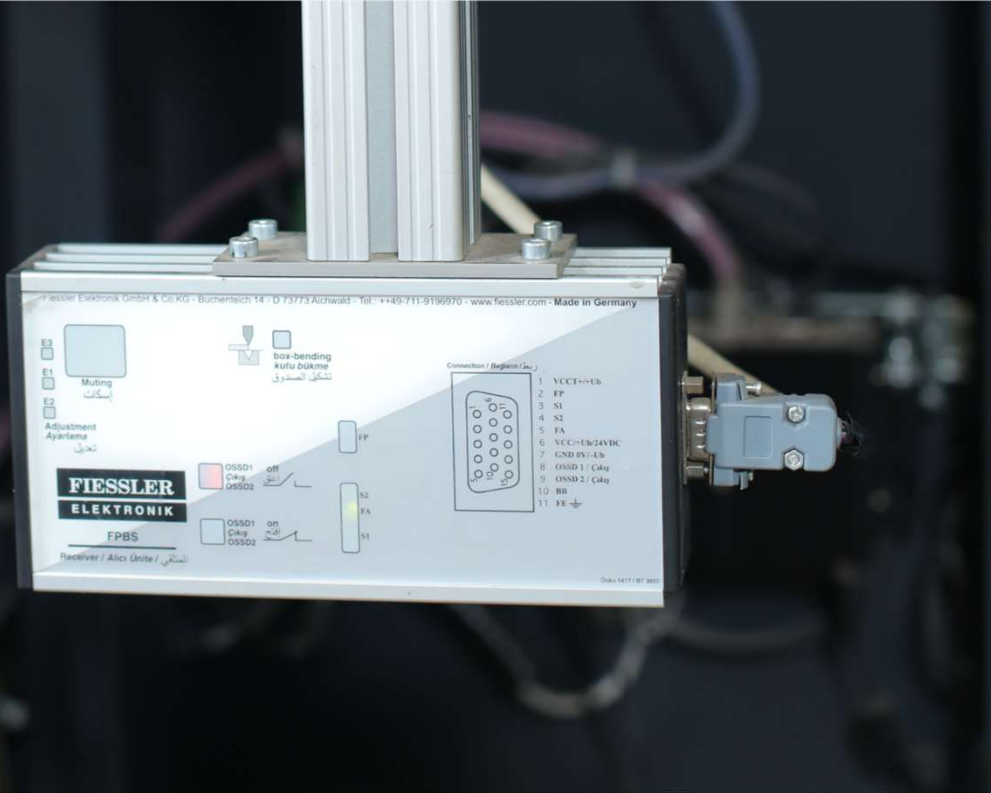


OPTIONAL PUNCH HOLDERS

--- Hydraulic Wedge Type (ROLLERI / WILA)

- **Fast Tool Changes** – Reduces downtime significantly.
- **High Accuracy** – Wedge mechanism ensures precise and repeatable clamping.
- **Safety** – Hydraulic locking prevents tool slippage.
- **Automation Ready** – Compatible with robotic press brakes and modern CNC systems.
- **Universal Fit** – Works with standardized Rolleri/Wila tooling.

- **Mechanical Lever Type (Amada Standard)** → Economical, manual, reliable for standard usage.
- **Hydraulic Wedge Type (Rolleri/Wila)** → Premium, fast tool changes, high precision, automation-ready.



OPERATOR'S SAFETY

Safety Interlocks in rear door and side guards provides simple operation without the need for programming by the machine operator.

FieSSLer Laser hand safety device from Germany protects user's hand while bending to avoid any fatal injuries - creating overall safety for the company and less rejections in jobs.



AUTOMATIC SHEET FOLLOWERS

To enhance performance while improving operator safety, Premium series press Brakes can be equipped with and automated work follower system.

Heavy sheets/plates can be loaded in through out length in order to decrease human errors and help save labor & time while achieving efficiency in work

LASER ANGLE CORRECTION

Laser Angle Correction From -
Data M Engineering GmbH Germany

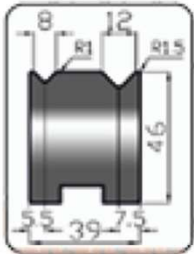
- The **Laser Check 10** system ensures maximum accuracy during bending operations.
- **Dual Laser Beams** continuously monitor the bending angle real time.
- Readings are instantly transferred to the CNC system via a **strain gauge**.
- The CNC then auto-corrects the ram movement, ensuring flawless accuracy.

Key Advantages

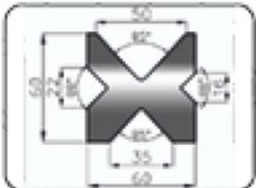
- Achieve **perfect 90° bends** or **any required angle** right from the first bend.
- **Reduced rework** and **shorter setup** time for operators.
- Guarantees **consistent accuracy** across high-volume production runs.
- Enhances **productivity, efficiency, and precision** in sheet metal fabrication.



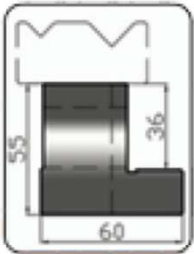
STANDARD SET OF TOOLING OPTIONS



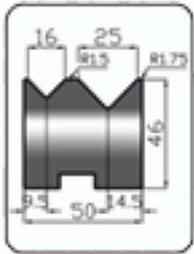
2V DIE 8,12
RAIL TYPE



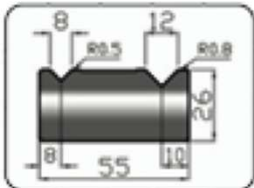
4V DIE



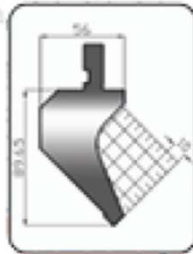
BOLTED
BASE



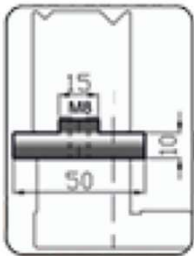
V16,25 RAIL
TYPE



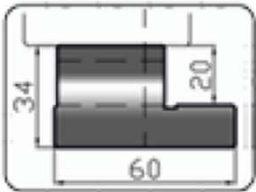
V8,12 BOLTED
TYPE



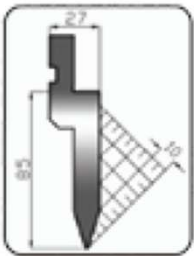
GOOSENECK
PUNCH



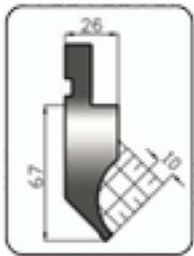
RA
I



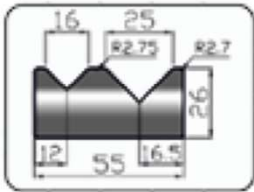
RAIL TYPE
BASE



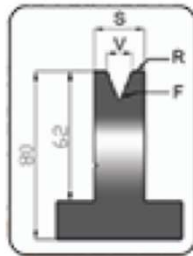
STRAIGHT
PUNCH
P115



P97 SEMI
GOOSENECK
K



V16,25
BOLTED
TYPE



T-TYPE 2V
DIE

V GROOVING CNC MACHINE



ADVANTAGES - CNC V-GROOVING



Vertical Bed -
Best for Flexible Job Lengths



Single Cylinder for Bending
Small Parts



Fast , Rigid, Low Noise



Multiple Backgauge Axis Options



WHAT IS V-GROOVING MACHINE?

CNC-V-Grooving Machine is used for Industries that need high precision Sheet metal forming such as

- **ELEVATOR INDUSTRIES**
- **DECORATIVE MATERIALS**
- **STAINLESS STEEL PRECESSING**
- **HOUSEHOLD APPLIANCES**
- **STEEL CLADDING**

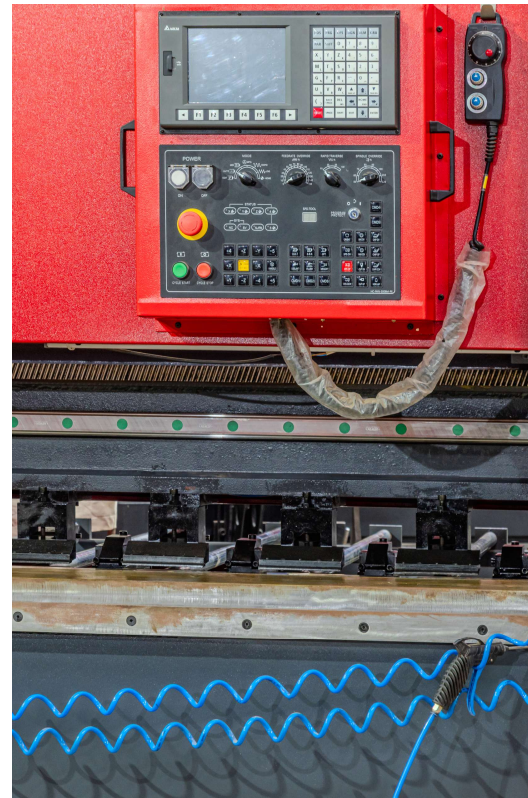
The machine frame is rigidly fabricated and welded with steel plates, stress relieved after fabrication and welding for long life. The machine adopts front feeding mechanism and fixed beams modular design eases replacing worn out parts where necessary

The grinded work table is replaceable; the problem of bad surface deformation can be eliminated if required in the future also the work table is enhanced with robustness against external disturbances while work process. The flatness of the bed is in the range of highest accuracy, which ensures the depth precision of the grooving quality

Pneumatic clamping and pressing plate are adopted to ensure the timely clamping and firm pressing of the sheet

The heavy independent Back-Gauge consist of high precision double ball screws and im guides attached to servo motor for achieving repeatability stability and accuracy while holding the work sheets/plates Back-Gauge support arms are stainless steel material, to avoid scratches and dents on the sheets specially adopted for pvd, ss & other glossy metals

V GROOVING
CNC MACHINE

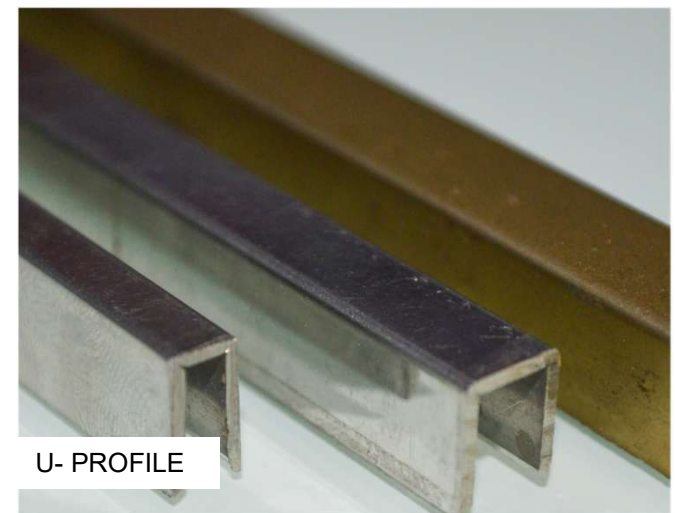
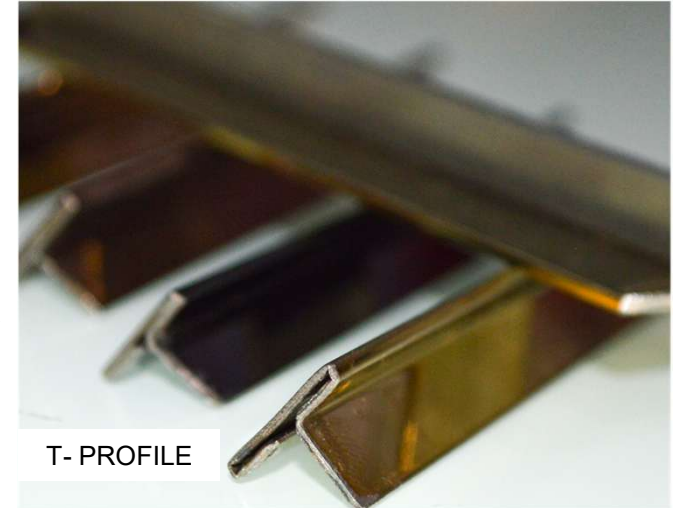
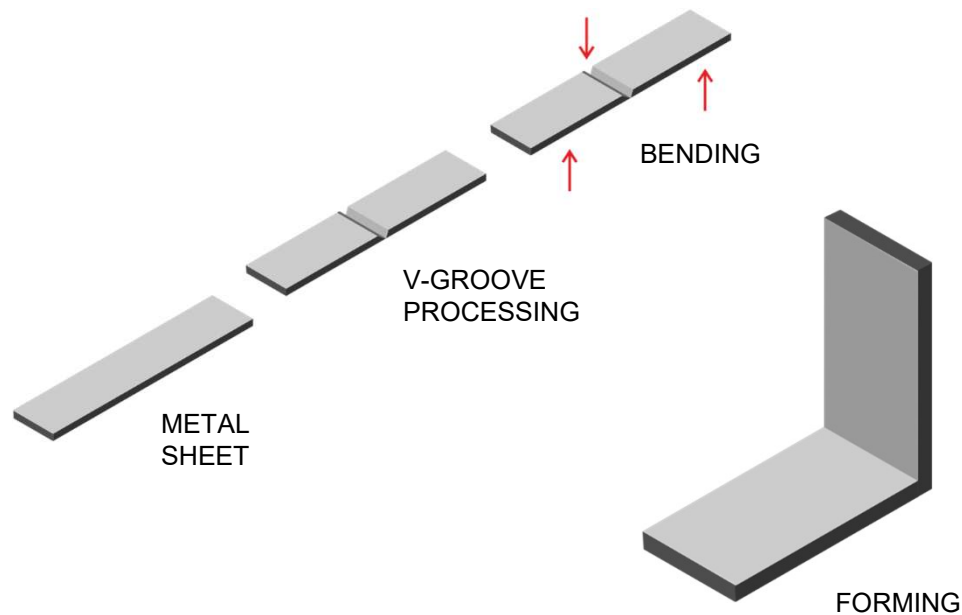


W

THE PROCESS

V-Grooving is an auxiliary process used in metal and non-metal sheet fabrication, particularly along the bending line of the material. In this process, a V-shaped groove is created using special grooving tools. The groove reduces the material thickness at the bending line, making it easier to bend with minimal spring-back and ensuring precise bending angles.

When the grooved sheet is bent on a CNC press brake, the final product achieves higher accuracy and meets aesthetic and functional requirements. The depth, width, and angle of the V-groove are controlled by the geometry of the grooving tool, ensuring consistency throughout the process.



STANDARD EQUIPMENT

- **Tiltable Front Support (4 Nos)**

Provides stable sheet handling, minimizing vibration and ensuring precise grooves.

- **6-Bit Tool Post**

Allows mounting of up to six tools for quick changes and flexible grooving operations.

- **Coolant System**

Reduces heat and tool wear, delivering smooth cutting and longer tool life.

- **User-Friendly CNC System**

Easy-to-use controls for accurate groove depth, width, and angle settings.

- **One Set of Groove Tools**

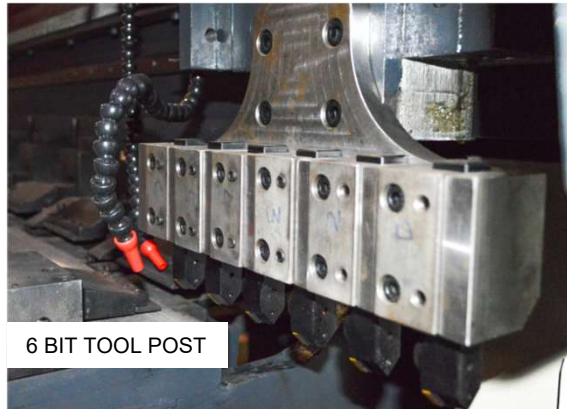
Durable precision tools supplied for clean grooves on various sheet materials.

- **Air Blow Gun**

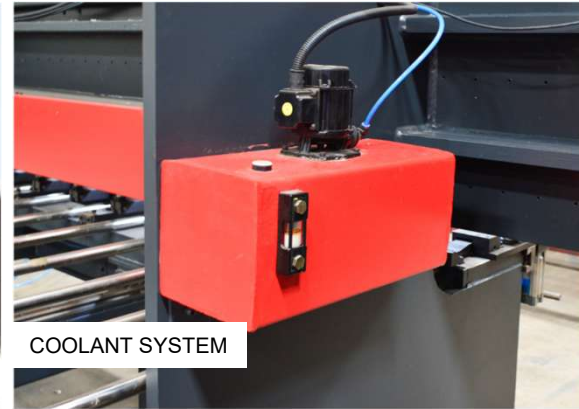
Quickly clears chips and debris, keeping the work area clean and accurate.



TILTABLE FRONT SUPPORT - 4 NOS



6 BIT TOOL POST



COOLANT SYSTEM



USER FRIENDLY CNC SYSTEM



ONE SET AS GROOVE TOOLS

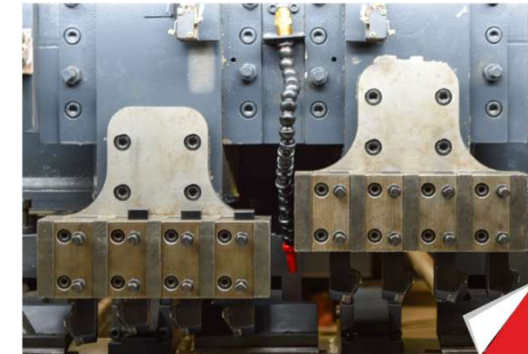
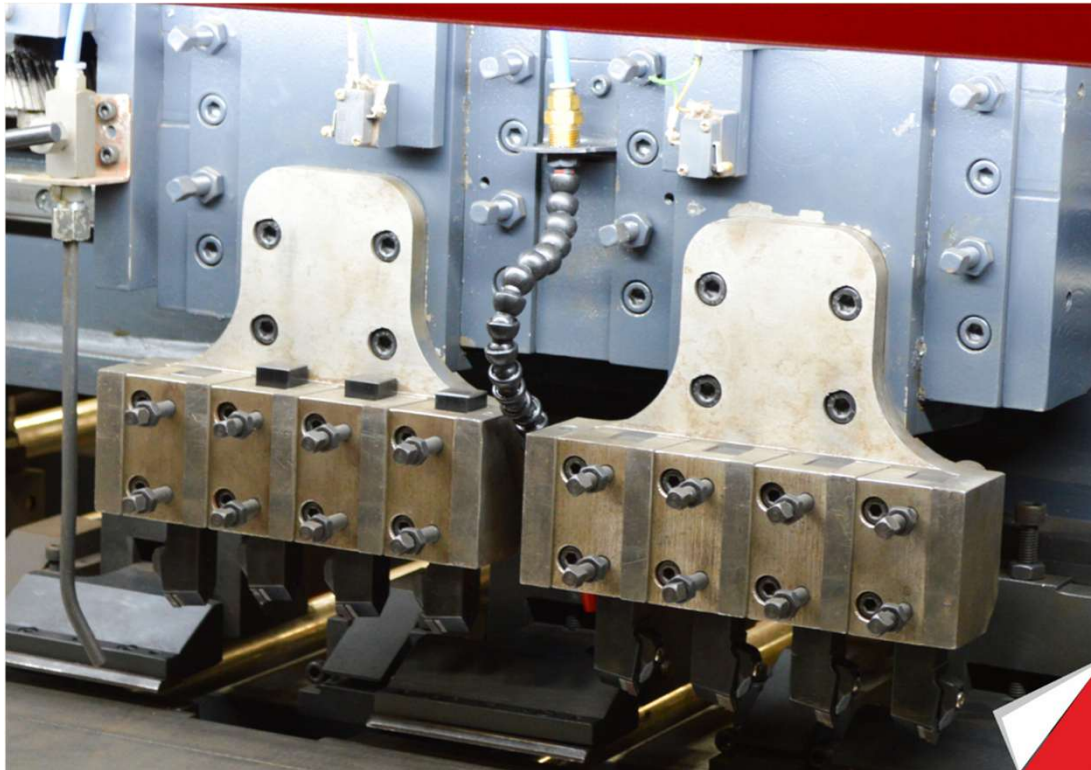


AIR BLOW GUN

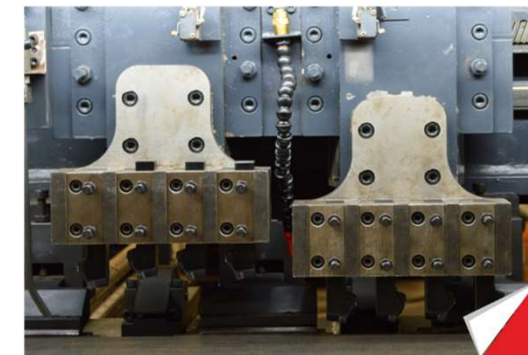


OPTIONAL EQUIPMENT

4th Axis - Forward & Return Grooving Mechanism (Double Head)



FORWARD GROOVING



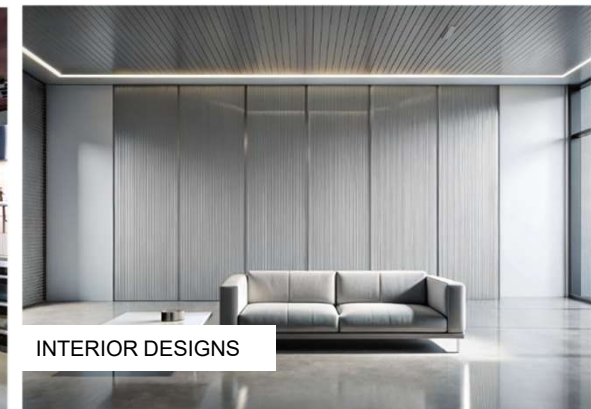
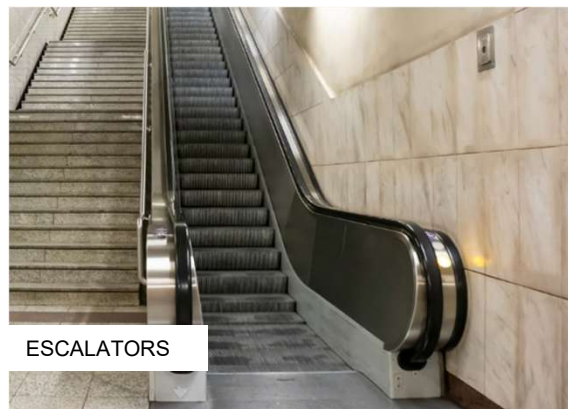
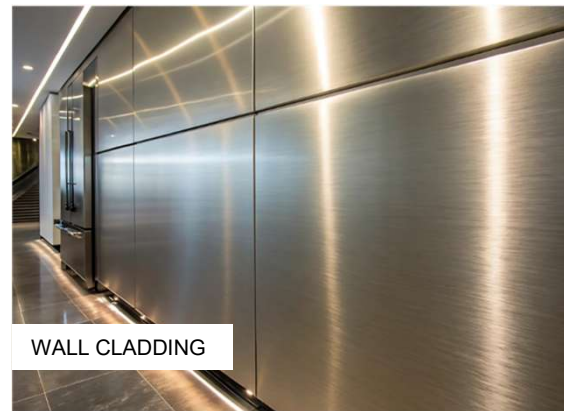
RETURN GROOVING

The optional Double-Head Grooving System is designed to significantly boost production efficiency. Compared to the standard single-head mechanism, the double-head system reduces cycle time by up to 50%, making it ideal for high-volume operations.

During the grooving cycle, both heads operate simultaneously — the first head performs grooving in the forward feed direction, while the second head executes grooving during the return feed. This synchronized action ensures faster processing, consistent accuracy, and superior productivity without compromising quality.

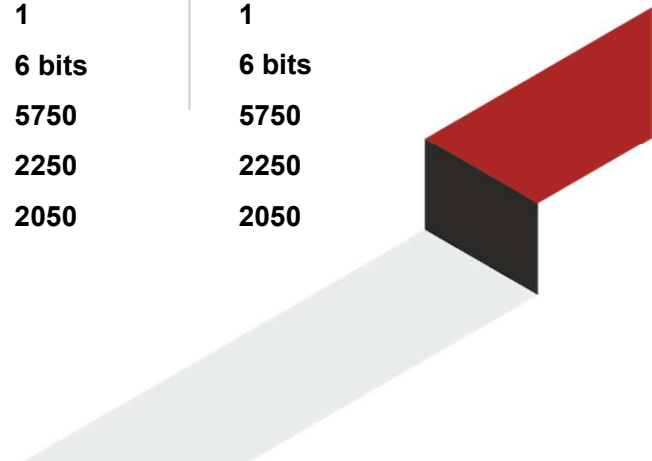
APPLICATIONS

- **Elevators** – Produces sleek, sharp-edged panels for doors and cabins with a premium finish.
- **Wall Cladding** – Enables seamless bends and clean lines for modern architectural cladding.
- **Furniture** – Used in premium furniture for sharp profiles and elegant metal designs.
- **Escalators** – Ensures precise, durable panels meeting safety and aesthetic standards.
- **Kitchen & Display Counters** – Creates hygienic, sharp-bent stainless steel for professional kitchens and retail counters.
- **Interior Designs** – Delivers stylish partitions, ceilings, and panels with sharp edges and modern appeal.



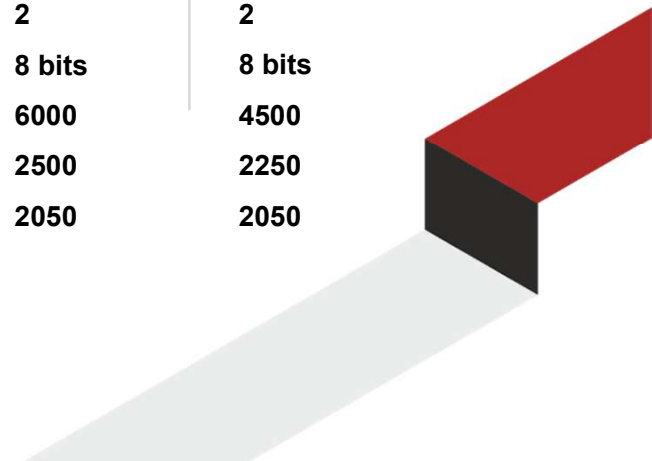
TECHNICAL SPECIFICATIONS

Model	VGM 2512	VGM 2515	VGM 3012	VGM 3015	VGM 4012	VGM 4015
Sheet Size (mm)	2500 x 1250	2500 x 1250	2500 x 1250	2500 x 1250	2500 x 1250	2500 x 1250
Maximum Grooving Thickness(mm)	6(M.S.) 4(S.S.)	6(M.S.) 4(S.S.)	6(M.S.) 4(S.S.)	6(M.S.) 4(S.S.)	6(M.S.) 4(S.S.)	6(M.S.) 4(S.S.)
Minimum Grooving Thickness(mm)	0.5	0.5	0.5	0.5	0.5	0.5
Grooving Speed (approx)	1000	1000	1000	1000	1000	1000
Forward Cutting Speed(max.)	mm/s	mm/s	mm/s	mm/s	mm/s	mm/s
Return Speed (max.)	1000	1000	1000	1000	1000	1000
Machine power (kw)	mm/s	mm/s	mm/s	mm/s	mm/s	mm/s
X Axis Travel (mm)	10	10	10	10	10	10
Coolant Tank (liters)	1250	1500	1250	1250	1250	1250
Tool Post Head (nos.)	1	1	1	1	1	1
Tool Holding Capacity	1	1	1	1	1	1
Machine Length (mm)	6 bits	6 bits	6 bits	6 bits	6 bits	6 bits
Machine Width (mm)	3750	4000	4750	4750	5750	5750
Machine Height (mm)	2250 2050	2500 2050	2250 2050	2500 2050	2250 2050	2250 2050



TECHNICAL SPECIFICATIONS

Model	VGM 2512 (4 - Axis)	VGM 2515 (4 - Axis)	VGM 3012 (4 - Axis)	VGM 3015 (4 - Axis)	VGM 4012 (4 - Axis)	VGM 4015 (4 - Axis)
Sheet Size (mm)	2500 x 1250	2500 x 1250	2500 x 1250	2500 x 1250	2500 x 1250	2500 x 1250
Maximum Grooving Thickness(mm)	6(M.S.) 4(S.S.)	6(M.S.) 4(S.S.)	6(M.S.) 4(S.S.)	6(M.S.) 4(S.S.)	6(M.S.) 4(S.S.)	6(M.S.) 4(S.S.)
Minimum Grooving Thickness(mm)	0.5	0.5	0.5	0.5	0.5	0.5
Grooving Speed (approx)						
Forward Cutting Speed(max.)	1000	1000	1000	1000	1000	1000
Return Speed (max.)	mm/s	mm/s	mm/s	mm/s	mm/s	mm/s
Machine power (kw)	1000	1000	1000	1000	1000	1000
X Axis Travel (mm)	mm/s	mm/s	mm/s	mm/s	mm/s	mm/s
Coolant Tank (liters)	12.5	12.5	12.5	12.5	12.5	12.5
Tool Post Head (nos.)	1250	1500	1250	1500	1250	1500
Tool Holding Capacity	1	1	1	1	1	1
Machine Length (mm)	2	2	2	2	2	2
Machine Width (mm)	8 bits	8 bits	8 bits	8 bits	8 bits	8 bits
Machine Height (mm)	4500 2250 2050	4500 2500 2050	5000 2500 2050	6000 2250 2050	6000 2500 2050	4500 2250 2050



PUNCHING NC PIPE PUNCHING

50 TON



25 TON

ADVANTAGES NC PIPE PUNCHING



Deformation-free Punching of pipes



Fast speed for fast production through Rack & Pinion



Easy loading & unloading of pipes



Double Die (Optional)



Table Extension for Longer profile (Optional)



STANDARD EQUIPMENT

PUNCHING
NC PIPE PUNCHING



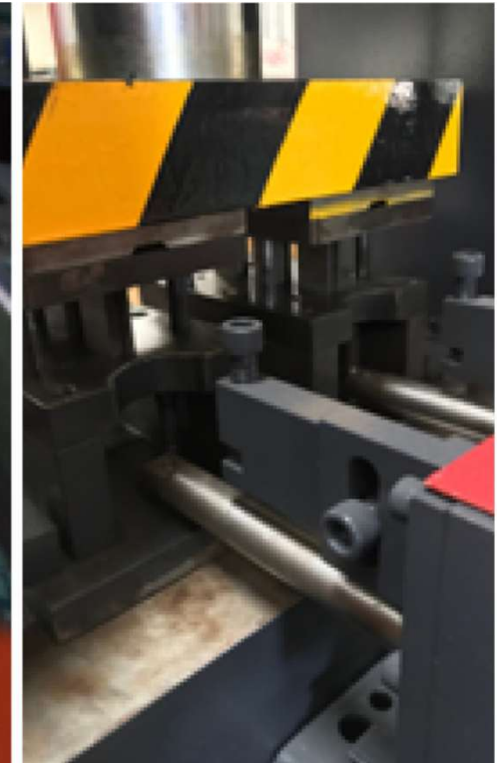
Hydraulics From
Rexroth, Germany



Control System



Clamping Mechanism



Feeding, Through, LM
Guides & Ball Screw



OPTIONAL EQUIPMENT



2 STATION COTION

FRONT SUPPORT TABLE EXTENSION FOR LONGER PROFILES

Model	WCM-PPM1	WCM-PPM1	Model	WCM-PPM1	WCM-PPM1
Total Punching Capacity	25 ton	25 ton	X- Axis Servo Motor (kw)	1 kw	1 kw
No. of Punching Press Station	1	1	Press Table Size	250 x 250 mm	250 x 250 mm
No. of Hydraulic Cylinder	1	1	Daylight	250 mm	250 mm
Pitch	(variable)	(variable)	X- Axis Travel Through	L.M. Guide/ Ball Screw/ Servo motor	L.M. Guide/ Ball Screw/ Servo motor
Press stroke Per Min.	10 - 12	10 - 12	Control System	PLC 8" Touch Screen Control	PLC 8" Touch Screen Control
Stroke Length (approx.)	100m	100m			
X- Travel	3000 mm or optional	3000 mm or optional			
Motor H.P.	5 H.P.	5 H.P.			



APPLICATIONS

- **Building Ladders** – Strong and durable ladder frames.
- **Racks & Shelves** – Precise joints for storage systems.
- **Fences & Furniture** – Sturdy structures with clean finishes.
- **Agriculture** – Reliable pipes for farm equipment and supports.
- **Scaffolding** – Safe and secure joints for construction use.



BUILDING LADDERS



RACKS & SHELVES



FENCES & FURNITURE



AGRICULTURE

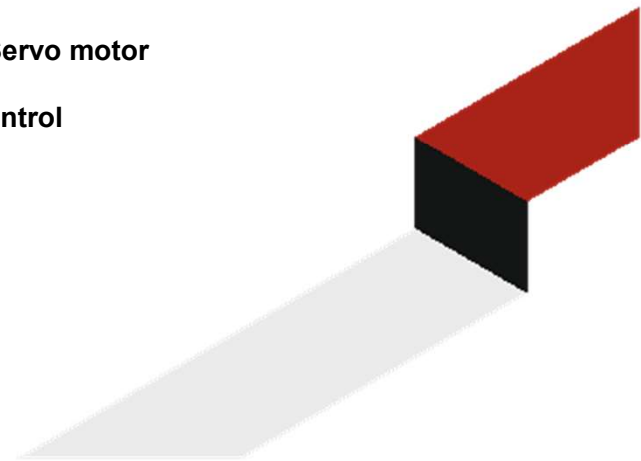


SCAFFOLDING



TECHNICAL SPECIFICATIONS

Model	WCM-PPM1	WCM-PPM1
Total Punching Capacity	25 ton	50 ton
No. of Punching Press Station	1	2
No. of Hydraulic Cylinder	1	1
Pitch	(variable)	(variable)
Press stroke Per Min.	10 - 12	10 - 12
Stroke Length (approx.)	100mm	125mm
X- Travel	3000 mm or optional	3000 mm or optional
Motor H.P.	5 H.P.	10 H.P.
X- Axis Servo Motor (kw)	1 kw	1.5 kw
Press Table Size	250 x 250 mm	350 x 350 mm
Daylight	250 mm	325 mm
X- Axis Travel Through	L.M. Guide/ Ball Screw/ Servo motor	L.M. Guide/ Ball Screw/ Servo motor
Control System	PLC 8" Touch Screen Control	PLC 8" Touch Screen Control





Sarvoday Survey No. 240, Aannd Liner Gate, Near Aero Technocast,
Shapar - Veraval, Rajkot, Gujarat 360024

GSTIN - 24AADCW9864G1ZX / CIN - U28229GJ2024PLC157041

Email Id – national.sales@weldorcncmachines.com / Mobile - 92743 96167

Website - www.weldorcncmachines.com

FORMING THE FUTURE

BEND | FOLD | ROLL | PUNCH | V-GROOVE