

Solution
With **Difference**

CATALOGUE 2026

Edition : 3

**LARGEST DISPLAY
OF MACHINERY
IN INDIA**

TOOLS RESHARPENING MACHINES
SOLUTION WITH DIFFERENCE



BHAVYA®

An ISO 9001: 2015 Certified Company

International Branches:



www.bhavyamachinetools.com



KENYA



U.A.E

Rubbing shoulders with the best in the country, Bhavya Machine Tools stands today as an established and trusted name in the field of Engineering Workshop Machinery. For decades, the company has been serving industries worldwide with sturdy, technologically advanced, and high-performance machinery. Its constant endeavour has been to bring emerging technology to India and to lead with innovation.

From its humble beginnings as a small-scale business on Relief Road in Old City Ahmedabad, Bhavya Machine Tools has grown into a significant industry leader—now operating from a state-of-the-art office on the elite SBR road. This journey has been powered by the relentless determination of brothers Jatin Shah and Rohit Shah, supported by a team that embraces new challenges and places customer requirements at the heart of every decision. With an ever-expanding product line and network, Bhavya continues to strengthen its presence across markets.

Bhavya's success is built on uncompromising quality standards, decades of experience, and the ability to deliver excellent solutions backed by superior service. Truly, it offers "a solution with a difference."

"The journey of Bhavya Machine Tools began 50 years ago when our father, Mr. Kirtibhai Shah, pioneered the business on a small scale at Relief Road. When we joined in 1991, we had absolutely no technical education," shares Jatin. "Yet, with determination and a vision for growth, we have worked tirelessly to make Bhavya Machine Tools a leader in providing cutting-edge technical solutions."

Speaking about the company's strategy, Jatin adds, "Our constant endeavor is to explore how emerging technology can be brought to India. Innovation is at the core of Bhavya's strategy. To achieve this, we actively participate in major exhibitions across India and the Gulf. These platforms keep us updated on the latest global technologies and help us introduce them to the Indian market, bridging existing gaps. At the same time, we showcase the capabilities of small-scale Indian manufacturers to the world—manufacturers who often lack the reach to market their products internationally."

Despite an expansive product basket and a vast network of industrial clients, the brothers' passion for growth remains undiminished.

Rohit highlights, "Customer requirements are paramount. When we receive an inquiry for a tool we do not have, we immediately deploy a team to study whether we can procure or develop it. This mindset is the reason our product portfolio continues to grow. Our team is ever-ready to take on new challenges. With such a hardworking and dedicated team, Bhavya stands where it is today—and we are immensely proud of that."



LATE SHRI. KIRTIKUMAR SHAH
(Founder - Bhavya Machine Tools)

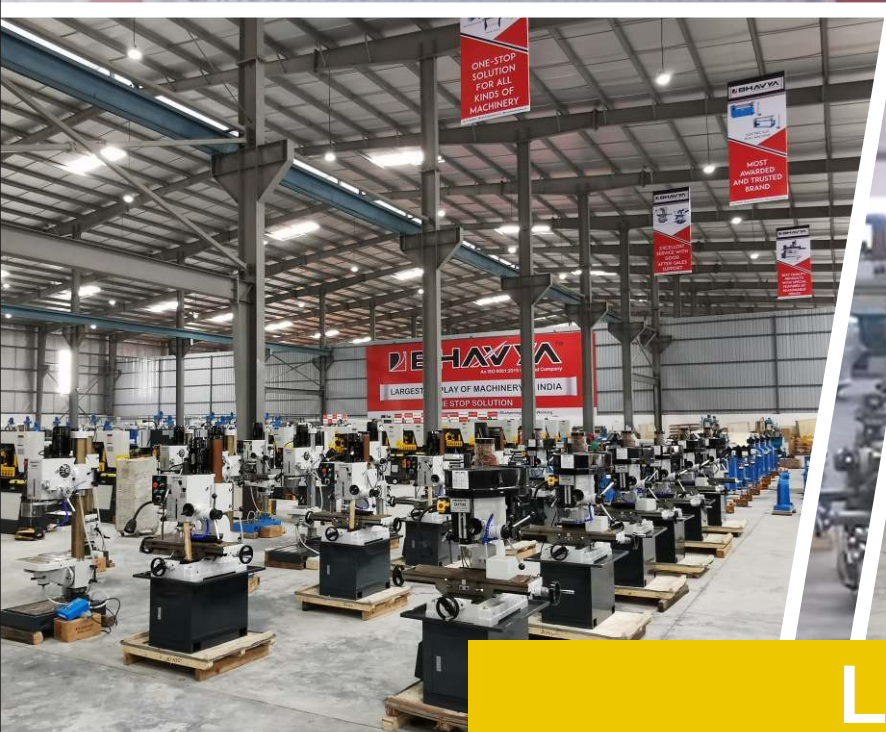


Jatin Shah & Rohit Shah

BHAVYA

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LARGEST DISPLAY OF MACHINERY IN INDIA



LARGEST DISPLAY OF MACHINERY IN INDIA



AWARDS AND ACHIEVEMENTS



TV9 CSR Excellence Award

Our directors, Jatin Shah and Rohit Shah, received the TV9 CSR Excellence – For A Better Society award, presented by the then Gujarat Chief Minister, Late Mr. Vijay Rupani, honoring our company's impactful CSR contributions.



Divya Bhaskar Artist of Enterprise

Our story was featured in Divya Bhaskar's book "The Artist of Enterprise," which highlights leading entrepreneurs in Gujarat and recognizes our directors, Jatin and Rohit Shah, for their contributions to the machine tools industry.



Mantavya News Awards

Honoured with The Leaders Award in the Machine Tools Category from the respected minister of Energy of Gujarat Mr. Saurabhbhai Patel.



Ace Achievers - Making a Difference

We were honored as an "Ace Achiever" in 2019 by TV9 and Gujarat Chief Minister Vijay Rupani for our leadership and impact in the machine tools industry

for more information, scroll on

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 **BHAVYA**[®]

AWARDS AND ACHIEVEMENTS



ABP Gujarat's Anmol Ratna

Honoured with the renowned Gujarat's Anmol Ratna Certification of Recognition, from ABP Asmita on 5th March 2022, for our work in the field of highly precise and innovative machine tools that contribute to the progress of Gujarat.



ZEE 24 Kalak Mahasanman

Received an award at Zee 24 Kalak Mahasanman on March 26, 2022 from the honorable Chief Minister of Gujarat, Shri Bhupendra Patel in the MSME category for the contribution to Gujarat's growth and development.



Machine Tools World

One of the most leading publications focused on machine tools and allied sectors- "Machine Tools World", recognised our company in its November 2021 issue for our committed work in the field of Engineering Machine Tools.



ABP Asmita Sanman Puraskar

Pleased to be a part of the renowned ABP Asmita Sanman puraskar for the Icons of Gujarat, which took place in the presence of Gujarat's Chief Minister, Shri Bhupendra Patel.

AWARDS AND ACHIEVEMENTS



Global Excellence Award

Won the Global Excellence Award 2025, which was presented by bollywood actress Mrs. Kajol Devgan where our company was recognised for most Reliable Engineering Workshop Machinery Company in Ahmedabad



Viksit Bharat Leadership Summit

Presented with an award by Hon'ble Union Minister Shri Nitin Gadkari ji as the Most Reliable Engineering Workshop Machinery Company at the Viksit Bharat Leadership Summit 2025, an event organised by leading news channel Bharat24.



Ahmedabad Mirror

Recognised with the Excellence in Engineering Workshop Machinery award by Ahmedabad Mirror at Mirror Celebrates Gujarat's MSMEs



ET Now Awards

Honored with ET Now's Leaders of Navbharat award for Most Reliable Engineering Workshop Machinery, presented by Shree C. R. Patil to directors Jatin Shah and Rohit Shah.

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 **BHAVYA**[®]

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CNC Tool Re-sharpener

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DRILL BIT RE-SHARPENER

Drill Bit Re-sharpener

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END MILL GRINDER

End Mill Re-sharpener,
Ball Nose Re-Sharpener
Lathe Tool & Insert Grinder,
Complex Re-sharpener Mill & Drill,

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Screw Tap Re-sharpener

Screw Tap Re-Sharpener,
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Saw Blade Sharpener

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PORTABLE CHAMFER

Portable Chamfer, Arc Angle Chamfer
Complex Chamfer, Slide Chamfer

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UNIVERSAL CUTTER GRINDER

Universal Cutter Grinder

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OTHERS

Others Re-sharpening Machines
Magnetic drilling, Complex Chamfer,
Corner Radius End-mill Grinder

RESHARPENING

CNC TOOL RE-SHARPENING MACHINE ENDMILL | CORNER RADIUS ENDMILL | BALL NOSE | DRILL BIT



AE30

PRODUCT OVERVIEW

- CNC tool grinder, capable of grinding 2, 3, and 4 flutes end mills.
- Flexible, portable, and efficient operation; Automatic knife change, freeing hands; Simplified the original grinding method, greatly improved work efficiency, and made tool grinding more convenient.
- Our CNC milling cutter grinder AE30 is equipped with a protective cover, which can effectively prevent dust leakage from polluting the environment and ensure safe operation.
- Oil grinding can improve grinding efficiency and reduce grinding losses through the use of coolant.

MODEL	AE30
Control system	4-Axis
Operation method	10 inch
Grinding range	4-20mm
voltage	220v, 50hz
The range of the extended blade length of the cutting tool	35-105mm
Maximum length of standard cutting tools	150mm
Clamping method of clamp head	Manual
Total Power	1.75kw
Spindle Power	0.75kw
Spindle Speed	3300RPM
Rated power of cooling pump	150W
X: Y: Z-axis travel	85mm
Standard grinding system	2/3/4
Standard grinding system	CORNER RADIUS ENDMILL / BALLNOSE / DG DRILL / UNEQUAL ENDMILL
Standard grinding wheel	A set of diamond grinding wheels (one cylindrical grinding wheel one pointed grinding wheel)
Standard collets ER32	4,6,8,10,12,14,16,18,20
Optional collect ER32	3,5,7,9,11,13,15,15,17,19 etc
Dimension	1220*1020*1700mm
Weight	220kg

Specifications are subject to changed without prior notice.

RESHARPENING

CNC TOOL RE-SHARPENING MACHINE

ENDMILL | CORNER RADIUS ENDMILL | BALL NOSE | DRILL BIT

STANDARD TYPES



• END MILL



• CORNER RADIUS
END MILL



• DRILL BIT



• BALL NOSE MILL



• CHAMFER CUTTER

BEFORE



VS

AFTER



VS



VS



VS



VS



OPTIONAL TYPE: ELECTROPLATED SDC/CBN :



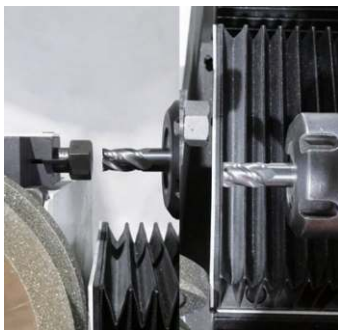
45° Bevel Angle

Flat Wheel

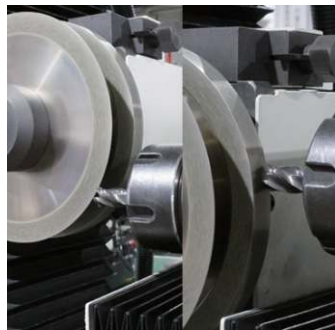
MAINTENANCE AND CARE :

For Water-Cooled Models: Clean the worktable surface daily. Perform regular cleaning of the water tank to maintain hygiene. This practice helps prolong the service life of the equipment.

OPERATING STEPS :



• Automatic Length & Angel
Recognition



• Automatic Grooving & Edge
Refinement

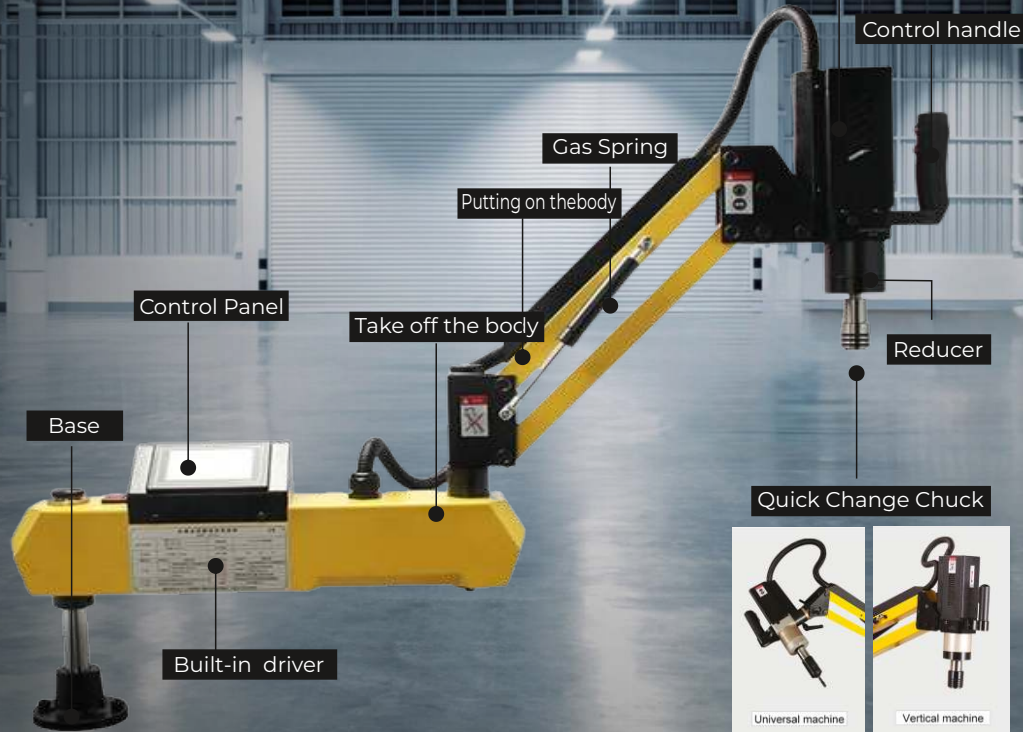


• 1-3 Minutes to Restore
New Condition

Specifications are subject to changed without prior notice.

ELECTRIC TAPPING

ELECTRIC TAPPING MACHINE VERTICAL & UNIVERSAL HEAD



MACHINE FEATURES

- The machine adopts servo drive control, with intelligent torque protection, instead of the traditional lathe, drilling machine or manual tapping limitations.
- Advanced mechanical design, a variety of processes using mold castings, the overall rigidity is strong, durable, non-deformation, beautiful appearance.
- The high definition touch screen is simple and flexible. It can realize the vertical and horizontal work of complex and heavy work piece, locate quickly, and process accurately.
- Step less speed change, manual, automatic, linkage three modes of work, whatever you choose.
- Automatic mode can effectively control the depth of tapping, without the operation button, automatic control by depth controller.
- Repeated positioning fast, tapping speed, high production efficiency.

OPTIONAL ACCESSORIES



Magnetic Seats



Working Table

MODEL	DS12	DS16	DS30	DS36
Tapping Range	M2-M12	M3-M16	M6-M30	M6-M36
Power	220V/600W	220V/600W	220V/1200W	220V/1200W
Speed	0-1000rpm	0-312rpm	0-200rpm	0-156rpm
Weight	27kg	27kg	45kg	50kg

DS12-COLLECT : M2, M3, M4, M5, M6-8, M10, M12

DS16-COLLECT : M3, M4, M5, M6-8, M10, M12, M14, M16

DS30-COLLECT : M6-8, M10, M12, M14, M16, M18-20,
M22, M24, M27-30

DS36-COLLECT : M6-8, M10, M12, M14, M16, M18-20,
M22, M24, M27-30, M33, M36

Specifications are subject to changed without prior notice.

ELECTRIC TAPPING

ELECTRIC TAPPING MACHINE

DRILLING AND TAPPING INTEGRATED MACHINE



MACHINE FEATURES

- The machine adopts servo drive control, with intelligent torque protection, instead of the traditional lathe, drilling machine or manual tapping limitations.
- Advanced mechanical design, a variety of processes using mold castings, the overall rigidity is strong, durable, non-deformation, beautiful appearance.
- The high definition touch screen is simple and flexible. It can realize the vertical and horizontal work of complex and heavy work piece, locate quickly, and process accurately.

MODEL	DS48
Tapping Range	M12-M48
Power	220V/1200W
Speed	0-90-200rpm
Weight	150kg

DS48-COLLECT : M12, M14, M16, M18-20,
M22, M24, M27-30, M33, M36, M42, M48

OPTIONAL ACCESSORIES



Magnetic Seats



Heavy Duty Working Table

Specifications are subject to changed without prior notice.

MACHINE FEATURES

- The Electric servo cantilever drilling and tapping machine is suitable for drilling and tapping various machines, moulds and auto parts.
- The whole machine adopts the suspended manipulator mode, which realizes the integrated interchange of drilling and tapping, which is flexible and convenient.
- The operation interface adopts Touch Screen operations to make drilling and tapping easier and more convenient, which can be operated by any general worker.

MODEL	DT-20
Drilling Range	3-16 MM
Drilling Speed	315 RPM
Tapping Range	5-M 20
Speed	0-315 RPM
Working Depth	80 MM
Working Height	400 MM
Voltage	220V,50HZ
Power	1000W
Weight	270 KG

RESHARPENING

DRILL BIT RE-SHARPENING

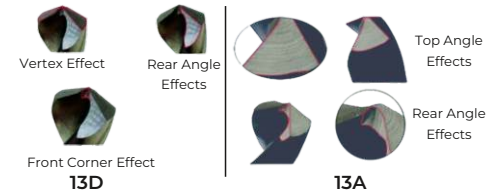


13A/D

MODEL	13A/D
Grinding range	Φ2.1-Φ13(Φ15)
Point Angle	100° (95°)-135°
Power	AC220V
Motor	120W
Speed	4800RPM
Grinding wheel	CBN(HSS) or SD
Dimension	32 x 18 x 19cm
Weight	10kg

- Portable drill grinder. With Taiwan Grinding wheel, it can be equipped directly with an accurate angle and long service life.
 - 13D can sharpen the drill bit front cutting lip, lip relief angle, you also can control the centre spot at random instead of centre drill, escape of chips easily, drill with a light heart.
- Standard equipment: 13# eleven collets
 Standard grinding range: 13# (2.1-13)
 Standard Collet Model No: 13A/D (11 Pcs - ER20): 3,4,5,6,7,8,9,10,11,12,13
 Grinding Wheel: CBN Wheel For HSS Drill Bit / SD Wheel for Carbide Drill Bit
 It is not so easy to align the drill less than 3mm.

GRINDING EFFECT:



OPERATION PROCEDURE

BITS OF THE ASSEMBLED GROUP FIXTURE

1. Make sure the material of drill and choose suitable grinding wheel. Standard is CBN grinding wheel. * CBN wheel is suitable for HSS drill, SD wheel is suitable for carbide drill.
2. Set left scale annulus to be "0" position. Turn the scale clockwise to the end, then contrarotat to adjust to the "0" position.
- 3.A) Choose suitable collet to the collet holder. (Insert the collet into holder in the 45 degree)
 B) Follow up the steps for setting up the drill to the collet holder, without tightening. Keep the room for adjusting the drill.
 4.A) Adjust the left scale to meet the diameter of the -drill:
 B) Insert the collet holder with the drill into the left hole and completely touch, then turn right to set up.
 C) Insert the top of drill into the end, turn right to set up.
 D) Tight the drill by collet holder for setting up the grinding position.
 E) Take out the chuck.

GRIND THE POINT ANGLE

Turn on the power of the grinder, then insert the collet holder with drill and push to the grinding wheel slowly. Next, move left and right repeatedly to sharpen the drill until the grinding sound disappeared. Take out the chuck, turn 180 degree and repeat the same process. *Don't hold the drill when you grind, or it will influence the grinding.

*Point angle can be adjustable from 90 degree to 180

GRINDING WHEEL



GRINDING RESULT GRAPH



ASSEMBLE THE FIXTURE



GRIND THE LIP RELIEF ANGLE

Insert the collet holder with the drill into the sharpening hole (at top) until the bit point slightly touches the wheel. Then move left and right repeatedly to sharpen the drill until the grinding sound disappeared take it out and turn 180 degrees. do the same.

The machine is set up with the point (central point) size adjustment function, which can effectively coordinate based on the material of drill hole and the rotation speed. It can control the quality precision and prolong the service of the bore bit. Our target is let our grinding workers become the master of grinding drill.

GRIND THE FRONT CUTTING LIP

Insert the collet holder with the drill into the hole (at top) until the bit point slightly touches the wheel. Then turn the chuck clockwise until the grinding sound disappears. Take it out and turn 180 degrees. Do the same.

Specifications are subject to changed without prior notice.

RESHARPENING

DRILL BIT RE-SHARPENING

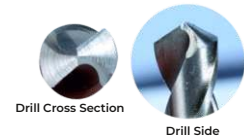


20G

MODEL	20G
Grinding range	Φ3-Φ20
Point Angle	95-135
Power	AC220V
Motor	120W
Speed	4800RPM
Grinding wheel	CBN(HSS)
Dimension	32 x 19 x 20cm
Weight	11kg

- Grinding is accurate and rapid, easy operation with no skill to grind.
- Economical price that greatly reduces the cost and improves the use effect.
- With diamond grinding wheel, it can be equipped directly with an accurate angle and long service life.
- The electrically controlled and powerful DC motor: stable frequency, strong horsepower and long service life.
- Bearing shaft and locking unit.
- The machine is set up with the function of adjusting a point (central point) size, which can effectively coordinate with the material of drill hole and the rotation speed. It can control the quality precision and prolong the service life of the drill bit.

GRINDING EFFECT:



20G drill bit grinder has four grinding effects of relief angle and the precision is higher, the alignment is more accurate. 10 seconds quick grinding, make the drill reborn.

THREE SLOPES ELECTRIC DRILL BIT GRINDER FOR DG DRILL



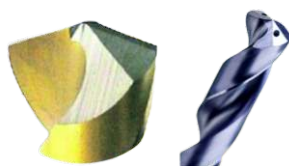
20L

FEATURES

- Grinding is accurate and rapid, easy operation with no skill to grind.
- With diamond grinding wheel, it can be equipped directly with an accurate angle and long service life.
- The electrically controlled and powerful DC motor: stable frequency, strong horsepower and long service life.
- Bearing shaft and locking unit.
- The machine is set up with the function of adjusting a point (central point) size, which can effectively coordinate with the material of drill hole and the rotation speed. It can control the quality precision and prolong the service life of the drill bit.
- Patent 20L can sharpen the drill bit front cutting lip, lip relief angle and point angle, you also can control the centre spot at random instead of center drill, escape of chips easily. drill with a light heart

MODEL	20L
Grinding range	Φ4-Φ20
Point Angle	135°
Power	AC220V
Motor	120W
Speed	4400RPM
Dimension	33*21*24
Weight	13kg

GRINDING EFFECT:



- 1) Grinding Wheel : SD (for Carbide) x1
- 2) Eleven collets:
Φ4, Φ5, Φ6, Φ7, Φ8, Φ9, Φ10, Φ11, Φ12, Φ13, Φ14, Φ15, Φ16, Φ17, Φ18, Φ19, Φ20
- 3) Collet chuck:(Φ4-Φ13) x1, (Φ14-Φ20) x1

Specifications are subject to changed without prior notice.

RESHARPENING

DRILL BIT RE-SHARPENING

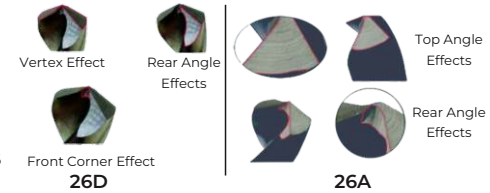


26A/D

MODEL	26A/D
Grinding range	(Φ8)Φ13-Φ26(Φ32)
Point Angle	95°~135°
Power	AC220V
Motor	250W
Speed	4800RPM
Grinding wheel	CBN(HSS) or SD
Dimension	46 x 24 x 22cm
Weight	27kg

- Portable drill grinder. With Taiwan Grinding wheel, it can be equipped directly with an accurate angle and long service life.
 - 26D can sharpen the drill bit front cutting lip, lip relief angle, you also can control the centre spot at random instead of centre drill, escape of chips easily, drill with a light heart.
- Standard equipment: 26# fourteen collets
Standard grinding range: 26# (Φ12.1-Φ26)
Standard Collet Model No: 26A/D (14 Pcs - ER40): 13,14,15,16,17,18,19,20,21,22,23,24,25,26
Grinding Wheel: CBN Wheel For HSS Drill Bit / SD Wheel for Carbide Drill Bit
- It is not so easy to align the drill less than 3mm.*

GRINDING EFFECT:



DRILL BIT RE-SHARPENING



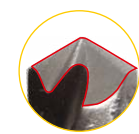
G3

MODEL	G3
Grinding range	Φ2.1-Φ26(Φ32)
Point Angle	95-135
Power	220V 50Hz 250W
Grinding wheel	
Speed	4800RPM
Dimension	40 x 26 x 30cm
Weight	32kg

- Standard equipment: G3# twenty-four collets
Standard grinding range: G3# (Φ2.1-Φ26)
Standard Collet Model No: G3 (ER20) 10 Pcs : 3,4,5,6,7,8,9,10,11,12
(14 Pcs ER40): 13,14,15,16,17,18,19,20,21,22,23,24,25,26
Grinding Wheel: CBN Wheel For HSS Drill Bit / SD Wheel for Carbide Drill Bit
- It is not so easy to align the drill less than 3mm.*

FEATURES

- G3 Complex drill grinder G3 can grind the twist drill from 2 to 32.
- 13S can grind DG drills and twist drills, can grind the twist drill from 3 to 13.



G3
SAMPLE

Specifications are subject to changed without prior notice.

RESHARPENING

UNIVERSAL DRILL GRINDER

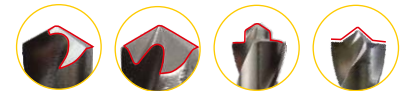


60A/80A

MODEL	60A	80A
Grinding Drill Dia	Φ3-Φ60	Φ3-Φ80
Point Angle	30°~180°	30°~180°
Power	220V 50HZ	220V 50HZ
Grinding wheel	Φ200x75x40mm	Φ200x75x50mm
Power/Speed	550w 2800r/min	550w 2800r/min
Dimension	58 x 41 x 45cm	58 x 41 x 45cm
Weight	136kg	145kg

The 60A can sharpen Φ3 to Φ60(80) all kinds of drills, such as standard twist drills, bottoming drills, multiple diameter drills, 2-four fact drills, wood drills, spot facer.

GRINDING RESULT GRAPH



MAGNETIC DRILL MACHINE



V9228

MODEL	V9228
Drill Dia	28mm
Magnetic Force	15000N
Max. Angle	70°
Radial Displace	30mm
Drilling Depth	210mm
Speed	320r/min
Power	1650w
Weight	19.33kg

MAGNETIC CORE DRILL MACHINE



3500/5000

MODEL	3500	5000
Twist drill	35 mm	50 mm
Voltage	110/220V	110/220V
Frequency	50-60 HZ	50-60 HZ
Power	1500 W	1650 W
Max. attraction	14000 N	15500 N
No- load speed	800 rpm	570 rpm
Depth of drilling	30 mm	40 mm
Max.travel	120 mm	190 mm
Packing size	58 x 17 x 38 cm	44.5 x 16.5 x 34.5 cm
NW/GW	10.25/15-kg	10.25/15-kg

Specifications are subject to changed without prior notice.



for more Information, scroll on

www.bhavyamachinetools.com

RESHARPENING

END MILL RE-SHARPENER



X3



X1



MODEL	X1	X3	X3A	X5
Range	Φ4-Φ14	Φ4-Φ14	Φ4-Φ20	Φ12-Φ30(Φ32)
Point Angle	3°	0-5°	0-5°	0-5°
Motor	220V/200W	220V/200W	220V/200W	220V/250W
Speed	4400RPM	4400RPM	4400RPM	4400RPM
wheel		SDC (CARBIDE) or CBN		
Dimension	35 x 25 x 25cm	35 x 23 x 24cm	35 x 23 x 24cm	40 x 28 x 31cm
Weight	12kg	12kg	14kg	25kg

• X3 portable end mill grinder, can grind 2-flute, 3-flute, 4-flute (bigger than 12 can grind 6-flute end mill). Choosing can grind 5-flute.

Standard equipment: X3# six collets; X5# ten collets.

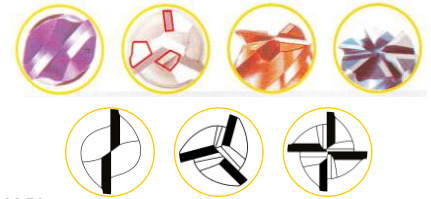
Standard grinding range: X3# Φ4-Φ14; X5# Φ12-Φ30

Standard Collet Model No: X3 (ER20) 6 Pcs: 4,6,8,10,12,14

Standard Collet Model No: X3A (ER20) 9 Pcs: 4,6,8,10,12,14,16,18,20

Standard Collet Model No: X5 (ER40) 10 Pcs: 13,14,16,18,20,22,24,26,28,30

Grinding Wheel: CBN Wheel For HSS End Mill / SD Wheel for Carbide End Mill



SPIRAL END MILL RE-SHARPENER



X6

FEATURES

- Independent developing X6 includes the function of X3, and can also grind peripheral cutting edge.
- With Taiwan diamond grinding wheel.

MODEL	X6	X6A	X7
Range	Φ4-Φ14	Φ4-Φ20	Φ12-Φ30
Motor	220V/180W	220V/250W	220V/250W
Speed	4400RPM	4400RPM	4400RPM
wheel		SDC (CARBIDE) or CBN	
Dimension	41 x 24.5 x 30cm	41 x 24.5 x 30cm	56 x 32 x 38cm
Weight	12kg	25kg	40kg

Standard equipment: X6#-six-collets; X6A#nine collets;-X7#-ten-collets.

Standard Collet Model No: X6 (ER20) 6 Pcs: 4,6,8,10,12,14

Standard Collet Model No: X6A (ER20&25) 9 Pcs: 4, 6, 8, 10, 12, 14, 16, 18, 20

Standard Collet Model No: X7 (ER40) 10 Pcs: 13,14,16,18,20,22,24,26,28,30

Grinding Wheel: CBN Wheel For HSS End Mill / SD Wheel for Carbide End Mill



Specifications are subject to changed without prior notice.

RESHARPENING

BALL END MILL GRINDER



X8

MODEL	X8
Grinding Range	φ6.0-φ20mm
Point Angle	0°-3°
Power	220V/250W
Speed	4400RPM
Package	53*29*37cm
Net/Gross Weight	40kg

- It is the special grinder for ball end mill.
 - Grinding is accurate and rapid.
 - With diamond grinding wheel, two piece wheel can complete all procedure.
 - It can be equipped directly with an accurate angle and long service life.
- Two piece grinding Wheel: CBN (for HSS)
Grinding the "R" angle x 1 piece
Grinding th lip relief angle x 1 piece
Standard 8 collets : Ø6,08,010, 012, 014, 016, 018, 020



CORNER RADIUS END MILL GRINDER



X6R

FEATURES

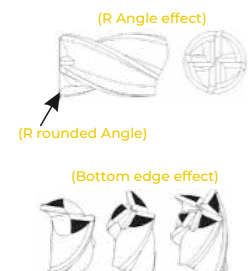
- It is specialized in re-sharpening end mill and corner radius end mill, it can grind 2-flute, 3-flute and 4-flute. Also use the tungsten bar to cut cutting edge directly.
- It can grind the radius of corner radius end mill as R0.5, R1, R1.5 and R2. If there is any other radius, we can make the customized grinding wheel.
- Grinding is accurate and rapid, easy operation, with no skill requirement to grind easily. With diamond grinding wheel, it can be equipped directly with an accurate angle and long service life.
- The electrically controlled and powerful DC motor, stable frequency, strong horsepower and long service life.
- Standard with SDC grinding wheel for the Carbide material, Optional CBN grinding wheel for the HSS material.

MODEL	X6R	X6RA
Diameter	φ4-φ14mm	φ4-φ20mm
Radius Size	R0.5, R1, R1.5, R2, R0.3, R0.5, R0.8, R1	
Power	220V/250W	220V/250W
Speed	4400rpm	4400rpm
Point angle	0°-5°	0°-5°
Dimension	42*25*30cm	42*25*30cm
Weight	21KG	25KG

Face grinding wheel: SDC (for carbide)x1
Corner grinding wheel: SDC (for carbide)
Standard R size:R0.5,R1

X6R, Six collets: φ4,06,08,φ10, φ12,414

X6RA, Nine collets: φ4,φ6,φ8,φ10,φ12,φ14,φ16,φ18,φ20



Specifications are subject to changed without prior notice.

RESHARPENING

COMPLEX RE-SHARPENER MILL & DRILL



F4/F6

MODEL	F4		F6	
	End Mill	Drill	End Mill	Drill
Range	Φ4-Φ14	Φ3-Φ14	Φ12-Φ30	Φ13-Φ30(Φ32)
Point Angle	0°-3°	95°-135°	0°-3°	95°-135°
Power	220V 160W		220V 250W	
Speed	4400RPM		4400RPM	
Dimension	35x23x30cm		45x34x38cm	
Weight	21kg		47kg	

• Complex re-sharpener of end mill & drill, one machine with two function, easy to use, economical and practical, with no skill requirement to grind.

Standard equipment: F4/F5 twelve collets; F6 nineteen collets.

Standard grinding range: F4# END MILL Φ4-Φ14, DRILL Φ3-Φ14;

F6# END MILL Φ12-Φ30, DRILL Φ13-Φ30

Standard Collet Model No: F4 (ER20) 12 Pcs: 3,4,5,6,7,8,9,10,11,12,13,14

Standard Collet Model No: F5 (ER20) 12 Pcs: 3,4,5,6,7,8,9,10,11,12,13,14

Standard Collet Model No: F6 (ER40) 19 Pcs: 12,13,14,15,16,17,18,19,20,21,22,23,24,25,26,27,28,29,30

Grinding Wheel: CBN Wheel For HSS Drill Bit/SD Wheel for Carbide Drill Bit



LATHE TOOL GRINDER



M3

MODEL	M3
Are angle	R0.2-R10
Speed	2800rpm
Voltage	220V/380V/550W
About worktable diameter	140mm
Grinding wheel	Φ125x50xΦ32
Dimension	44x34x44cm
Weight	78kg

• M3 is suitable to grind many kinds of cutters, such as tipped tool, boring cutter, plough cutter, and so on. It is a perfect grinding tool instead of hand grinding.

• Worktable uses high precision straight line rolling guide rails, good movement, high stability, steady bed platform, dexterous operation.

• M3 Model - Grinding various welding blades, boring tool, planer; grinding a variety of turning, boring, milling inserts, cutter and slotting.

• High precision, easy to operate. Is ideal for an alternative to the traditional hand-grinding sharpening tool.

• The high-strength edge FC30 cast iron, to maintain a permanent mechanical precision.

• M2 Model - Grinding a variety of CNC blade, clip blade machine, welding turning tools, boring tool and other tools. (R-type knife, the cutter is not grinding)



Specifications are subject to changed without prior notice.

RESHARPENING

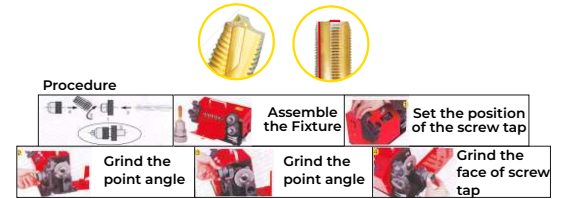
SCREW TAP RE-SHARPENER



Y3C

MODEL	Y3C	Y5C
Range	M5-M20	M16-M42
Point Angle	5°-30°	5°-30°
Power	220V 180W	220V 250W
Motor	4800RPM	4800RPM
Grinding wheel	CBN(HSS) or SD	
Dimension	36x27x30.5cm	40x30x31cm
Weight	16kg	27kg

- Portable screw tap grinder can grind 2-flute, 3-flute, 4-flute tap. Choosing can grind 5-flute.
 - Y3C/Y5C can grind all front cutting face, also include the front cutting lip.
- Standard equipment: Y3C six collets(Φ5-Φ14); Y5C nine collets(Φ13 - Φ30). Standard grinding range: Y3# M5-M20; Y5# M16-M42
 The thickness for the Y3C standard grinding wheel is 3mm.
- Standard Collet Model No: Y3C (ER20) 6 Pcs: 5,7,8,9,13,14
 Standard Collet Model NO: Y5C (ER40) 9 Pcs: 13,14,16,18,20,23,25,28,30
 Grinding Wheel: CBN Wheel For HSS Drill Bit / SD Wheel for Carbide Drill Bit



SPIRAL SCREW TAP RE-SHARPENER



Y6B

MODEL	Y6B
Range	M5-M20
Point Angle	5°-30°
Power	220V 180W
Motor	4800RPM
Grinding wheel	CBN(HSS) or SD
Dimension	48 x 30 x 33cm
Weight	22kg

- Standard equipment; Y6/Y6B.six.collets(Φ5-14).
 Standard grinding range: M5-M20 (Flat tap); M10-M20 (Spiral tap).
 Standard Collet Model No: Y6/B (ER20) 6 Pcs: 5,7,8,9,13,14
 Grinding Wheel: CBN Wheel For HSS Drill Bit / SD Wheel for Carbide Drill Bit

FEATURES

- Portable screw tap grinder can grind 2-flute, 3-flute, 4-flute tap. Choosing can grind 5-flute.
- Y6B can grind the spiral flute tap's front cutting face, and flat tap's front cutting lip and face.



Specifications are subject to changed without prior notice.

RESHARPENING

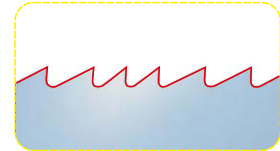
BAND SAW BLADE SHARPENER



S380

MODEL	S380
Saw blade width	16-45mm
Teeth space	3-30mm
Feed speed	40-60teeth/min
Grinding wheel	150mm
Power/Speed	380V/220V/550W/2800RPM
Dimension/Weight	60 x 50 x 100cm/110kg

- It can grind various thin wood saw blade, double metal saw blade, carbide steel saw blade and so on.
- S350 is suitable for grinding the band saw that the teeth (back of teeth) is same. Automatically dial tooth, easy to operate, high precision. Make the old band saw reuse and save cost.
- S380-is-a-new-multifunction and patent machine-that-can grind changeable teeth (tip)-of-band-saw-blade, such as 2/3 3/4, 4/6-etc.



Q6

SAW BLADE SHARPENER

FEATURES

- Without model plate, can grind the teeth automatically. Adjustable speed, it is fast and accurate. It can grind the teeth. And it also can keep balance and efficiently.
- Q10 has the function of Q6, Q7, Q8, without the modulus plate, can grind the saw blades of $\Phi 60$ to $\Phi 350$.
- Q6 motor can rotate up and down which can sharpen gear front and back angles (or chamfer)

MODEL	Q6	Q10
Saw blade Dia..	$\Phi 60(\Phi 25)$ - $\Phi 300$ ($\Phi 350$)	$\Phi 60$ - $\Phi 350$
Speed	45teeth/min	
Voltage	220V/380V	220V
Power	550W/60W	250W/60W
Dimension	65 x 65 x 105cm	62x62x72cm
Weight	103kg	56kg



Specifications are subject to changed without prior notice.

RESHARPENING

PORTABLE PNEUMATIC CHAMFER MACHINE



A100

MODEL	A100
Chamfering Height	0.1 - 1.5 mm
Chamfering Angle	45°
AIR PRESSER	
Speed	30000 rpm
Dimension	38*24*24cm
Weight	1 kg

- Applying to make un treatment parts of machine, mould shelf which is not easy to move. It is convenient and easy to operate.
- It is easy to replace stand tungsten steel quadrilateral edge, and can use an old cutter.
- It is accurate and with perfect surface...

STANDARD EQUIPMENT :

- 1) Inserts 1 Set 2) Operation Manual



PORTABLE CHAMFER



R200

MODEL	R200
Chamfering height	0-9mm
Chamfering angle	15°-45°
Power	380V 750W
Speed	2800RPM
Dimension	38 x 24 x 24.5cm
Weight	12kg



FEATURES

- Suitable for any length of non-heat treatment workpiece and any other parts which are hard to move. It is easy to operate, take less time.
- The dump rail adopt good heat-treatment steel plate, which will abide rough use.
- Standard square alloy bit,easy to replace. Or you can use old bits that used in milling machine.

Specifications are subject to changed without prior notice.



for more Information, scroll on

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RESHARPENING

PORTABLE PLATE BEVELING



SKF-15

MODEL	SKF-15
Max cutting edge width	0-15mm (adjustable)
Chamfering angle	30°-60° (adjustable)
Power	380V, 50Hz, 1.1kw
Speed	2870 r/min
Weight	18kg
Standard Equipment	Two butterfly type milling cutters, each with 6 high speed carbon steel embedded milling cutters

• SKF-15 chamfering machine is specially designed for plate groove and chamfering. It is a convenient and dexterous machine. It can be used for deburring and chamfering of sheet metal before welding. If is light weight (compared with similar products), small vibration, smooth operation, the use of this machine is simple, safe, and can be applied to steel, cast iron, hard plastics, nonferrous metals and other materials.

• It is user-friendly, accurate, safe and save molding time. The surface of the workpiece is smooth and flat. It is designed for making the mould products beautiful.

• The machine is designed reasonably, easy to move, and equipped with safety button. No fault, no vibration, low noise, less dust. Low cost of power saving, standard chip for cutting, easy to replace.

ARC ANGLE CHAMFER



R300



R500

FEATURES

- Applying to non-heat treatment workpiece for such as various mould, part of machine's chamfer.
- R300 is originative to chamfer the R angle of workpiece.
- The dump rail adopt good heat-treatment steel plate, which will abide rough use.
- Standard square alloy bit, easy to replace. Or you can use old bits that used in milling machine.

MODEL	R300	R500
Chamfering height	0-3mm	0-3mm
Power	380V 550W	380V 550W
Speed	2800rpm	2800rpm
Dimension	53x51x24cm	53 x 42 x 39cm
Weight	38kg	45kg

The standard for R300 is R1, others should be done if needs.



Chamfer straight line 15° - 45°



Chamfer R angle

Specifications are subject to changed without prior notice.

RESHARPENING

COMPLEX CHAMFER STRAIGHT & CURVED



R800B

MODEL	R800B	
Chamfering Height	0-3 mm (straight)	0-2.5mm(Curved)
Chamfering Angle	15° -45° (Straight)	45°(Curved)
Power	380V/750W	
Speed	8500rpm(straight)	12000rpm (Curved)
Dimension	56x44x69cm	
Weight	75kg	

- It's suitable for regular and irregular parts of mechanism or mould. The angle of straight line part can be adjust from 15 degree to 45 degree.
- It's easy, quick to change the cutter, no need to clamp, easy operate perfect chamfering, easy adjust, and economic, suitable for irregular parts of mechanisms and mould.
- The angle of straight line part can be adjust from 15 degree to 45 degree. It can instead the CNC machining center and general-purpose machine tools, which can not chamfer. It is convenient, fast and accurate and the best choice for chamfering.



SLIDE COMPLEX CHAMFER STRAIGHT & CURVED



R900

R700/700E

FEATURES

- It is easy, quick to change the cutter, no need to clamp, easy operate, perfect chamfering, easy adjust, and economic, suitable for batch parts of mechanism or mould.
- In-house developed straight line bevel edge function can make 45° adjustment. Need no attire clamping, simplicity of operation, neat bevel edge, easy adjustment greatly enhance operation efficiency. This bevel machine is suitable for batch machine parts production, mold bevel edge. Using high-speed bevel machine is the current trend of the development of mechanical industry.
- The machine adopt Swedish SKF bearing and imported digital cuttings.

MODEL	R700	R700E	R900
Chamfering height	Straight line:	0-5mm	R1,R2,R3,R4,R5 0-5mm
	Curved:		0-2.5mm
Chamfering angle	Straight line angle:	45°	45°
	Curved angle:		45°
Power	3/4HP(550W), 380V	380V, 550W	3/4HP (750W), 380V
Speed	Straight line:	8500rpm	8500rpm
	Curved:		12000rpm
Dimension	82x33x47cm	82x33x47cm	51x42x60cm
Weight	47kg	47kg	73kg
Standard Equipment	Inserts*1 set	Inserts*1 set	Inserts*2 sets
			1 set for straight, 1 set for curved

Chamfering sample :



Specifications are subject to changed without prior notice.

RESHARPENING

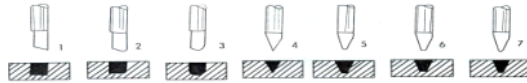
UNIVERSAL CUTTER GRINDER



U2

MODEL	U2
Collet diameter	03-16 mm (25mm)
Motor	220V/380V 1/3HP 50HZ
Speed	5300rpm
Grinding wheel	φ100x50xφ20
Dimension	54x45x34cm
Weight	47kg

- The machine is necessary of CNC carving machine and milling machine.
- The universal cutter grinder U2 with the attachments can grind drill bit, lathe tool and ball cutter. The max. holding diameter: 16mm



Lathe tool



Ball cutter



Drill bit



Specifications are subject to changed without prior notice.

RESHARPENING

UNIVERSAL CUTTER GRINDER



600F



6025

MODEL	600/600F	6025
About worktable diameter	300mm	350mm
About worktable traveling-schedule	150mm	150mm
Worktable area	130 x 550mm	130x675mm
Grinding wheel size	φ125x50x32mm	φ150x16xφ32mm
Power/Speed	2800RPM	5000RPM
Motor	3/4HP 220V/380V	3/4HP 220V/380V
Dimension	70x63x63cm	73x71x72cm
Weight	168kg/160kg	209kg/222kg

MACHINE FEATURES

- This machine can grind all kinds of end milling cutter, end milling cutter, R type milling cutter, cylindrical milling cutter, three side edge milling cutter, single Angle milling cutter, reamer, R type turning cutter, hobbing cutter, drill bit, tap, carving cutter, strong cutting cutter, circular cutting paper and other kinds of cutting tools.



50E Spiral mill ball cutter grinder



50k Drill bit screw tap gring



50D End-milling cutter grinder



Toolbox 50B



Centre 50J



Specifications are subject to changed without prior notice.

ACCESSORIES

DRILL-BIT & END MILL GRINDER SPARE PARTS

Aluminium Core



Carbon Brush



ER20 Collet



ER20 Chuck



ER25 Chuck



ER40 Chuck



PMDC Motor



Rectifier



Single Phase Switch



Supply socket



Web Diameter



TAPPING MACHINE SPARE PARTS

Servo Motor



Drive



Gas Spring



Inch Collet



Touch Screen



Torque Setting Wrench



Machine Handle



MM Collet



Specifications are subject to changed without prior notice.

ALSO AVAILABLE

METAL FABRICATION MACHINES - EDITION 1



CNC PRESS BRAKE



NC SHEARING MACHINE



BUSBAR PROCESSING MACHINE



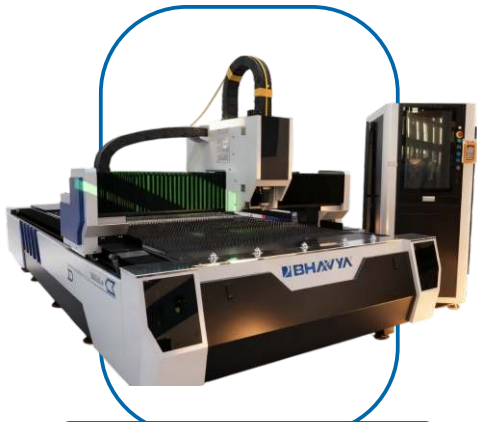
PANEL BENDER MACHINE



PLATE ROLLING MACHINE



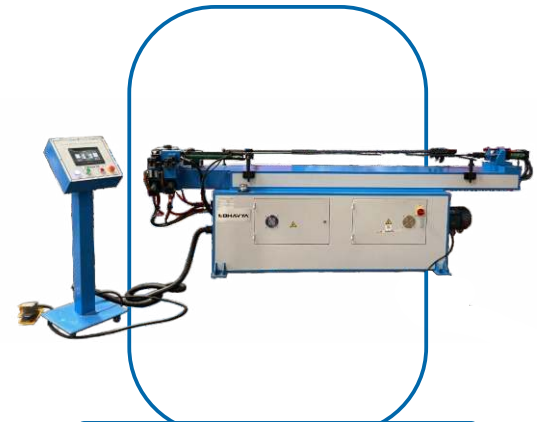
CROSS SHAFT POWER PRESS



LASER CUTTING MACHINE



HYDRAULIC IRON WORKER

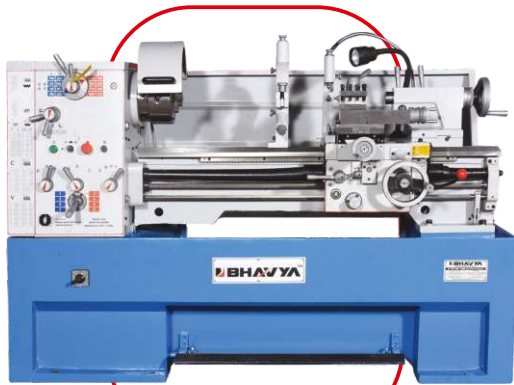


HYDRAULIC PIPE BENDING

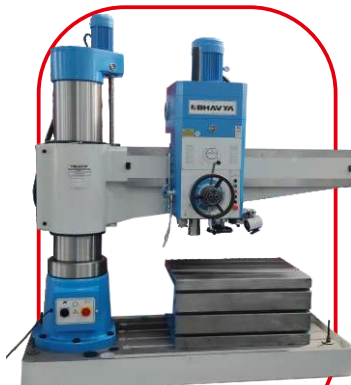
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ALSO AVAILABLE

WORKSHOP & TOOLROOM MACHINES - EDITION 2



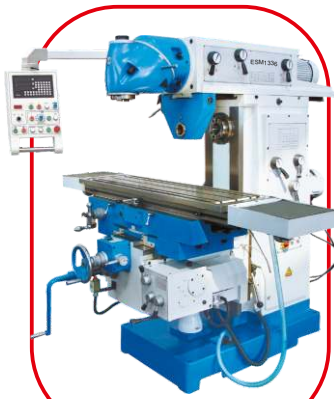
LATHE MACHINE



RADIAL DRILL MACHINE



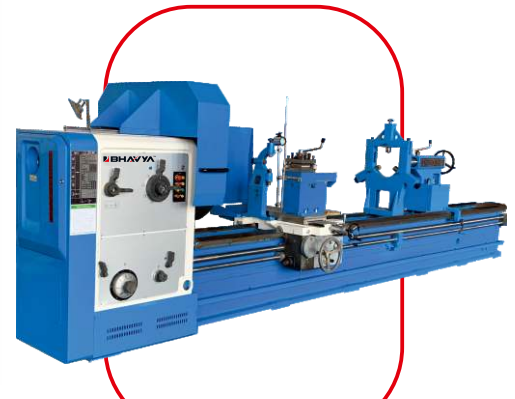
ALL GEARED DRILLING & MILLING MACHINE



UNIVERSAL MILLING MACHINE



SURFACE GRINDER MACHINE



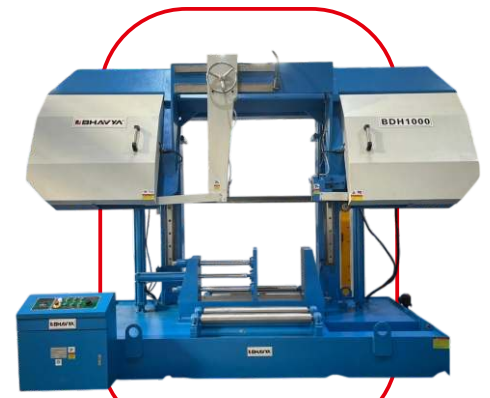
EXTRA HEAVY DUTY LATHE MACHINE



VMC MACHINE



CNC MACHINE



BANDSAW MACHINE

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VALUABLE PATRONS



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VALUABLE PATRONS



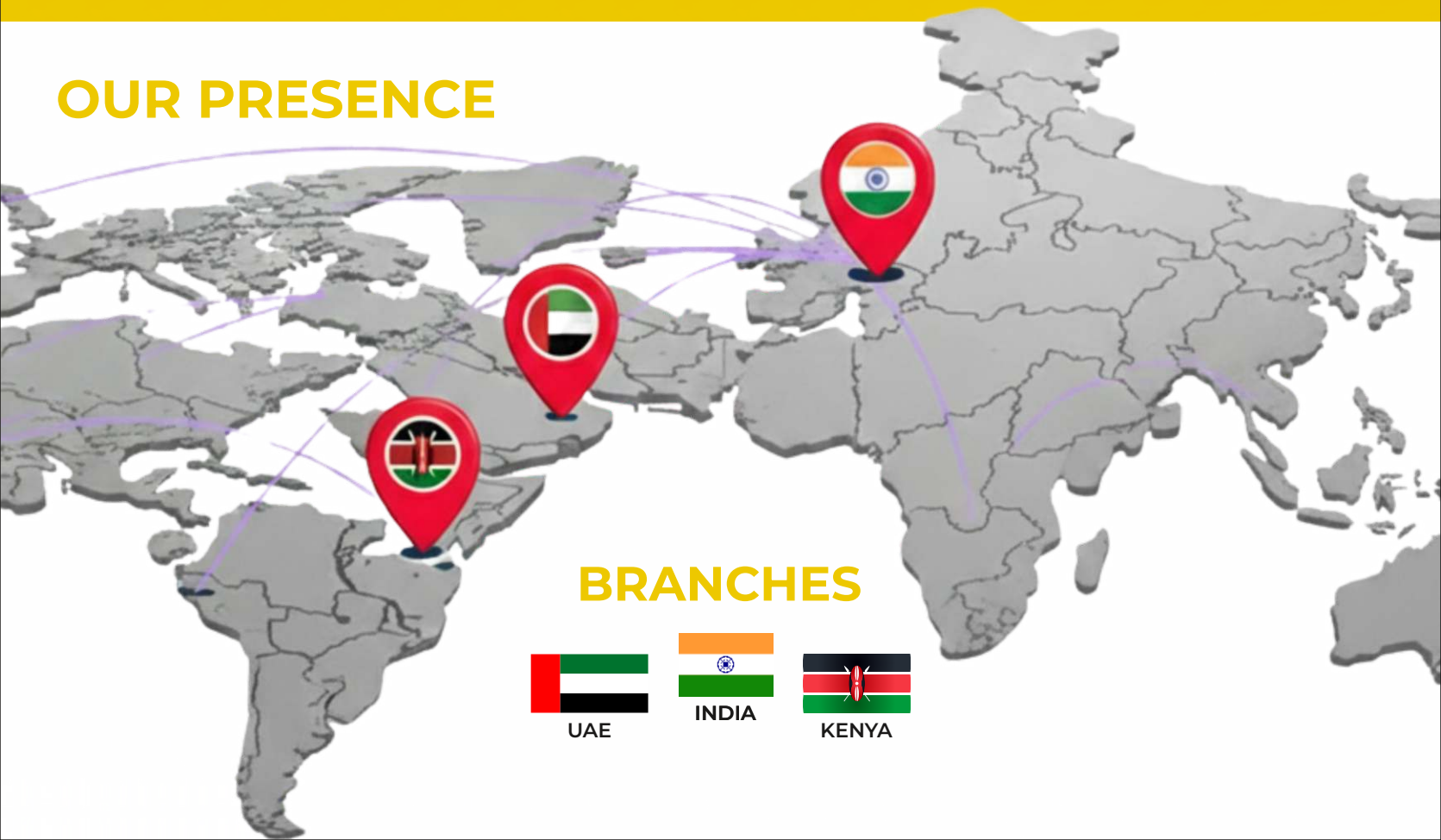
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