

**Precihole**<sup>®</sup>

Inspire - Innovate - Deliver

# DEEP HOLE DRILLING & HOLE FINISHING SOLUTIONS



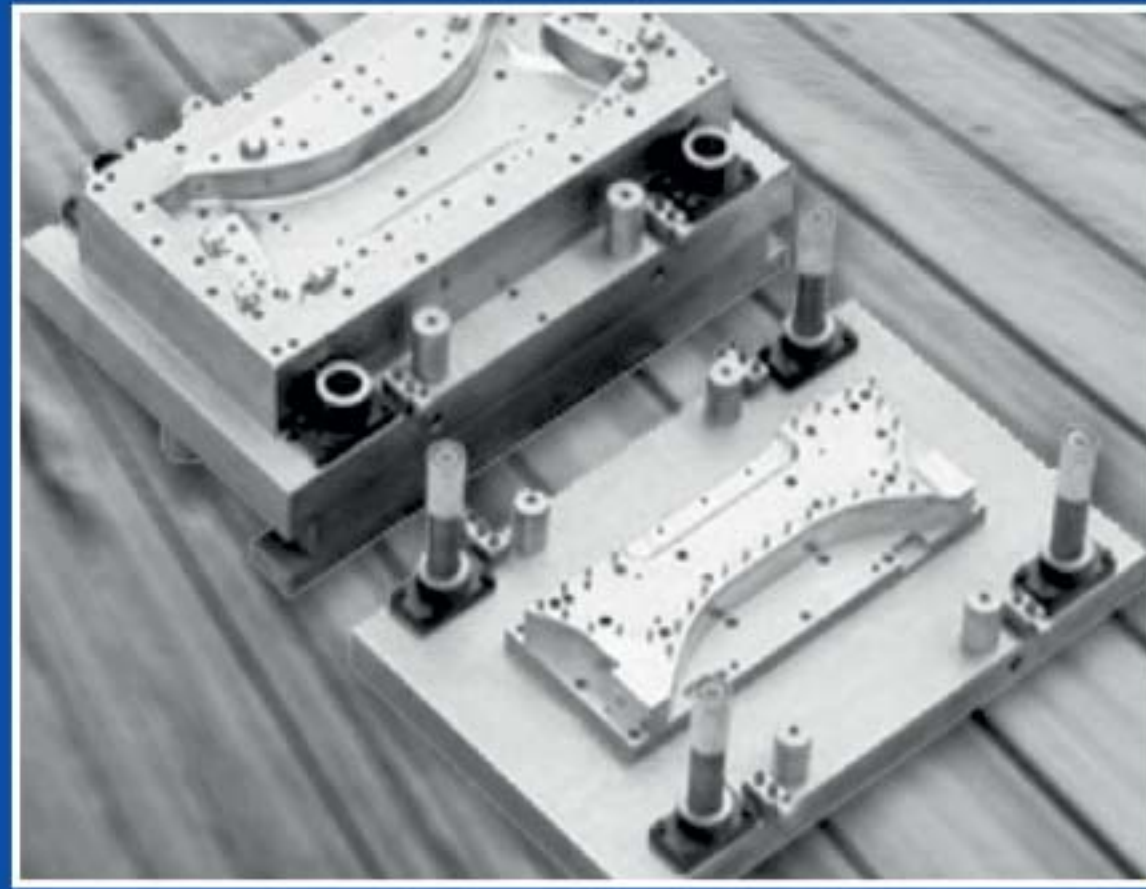
[www.precihole.com](http://www.precihole.com)

# PRECIHOLE MACHINE TOOLS

Precihole Machine Tools is a leader in providing state-of-the-art solutions for deep hole drilling and hole finishing processes. Precihole has over three decades of experience supplying machine tools solutions for a variety of industries all across the globe. Precihole Machine Tools is an ISO 9001 - 2015 certified company that values product quality, its customers and employees.

Precihole machines are built in-house from concept to finish with a talented team of experienced and qualified individuals. Machines are tested and proven to the highest standards before dispatch to ensure accuracy, repeatability and performance. Our business processes and operational methodologies ensure that we can offer competitive pricing and aggressive delivery commitments.

Precihole Machine Tools is your partner in providing valuable and cost effective solutions that adhere to the highest levels of quality. Precihole has appointed distributors all over the world to be able to provide service, support and training locally to our esteemed clientele.



# MACHINE TOOL SOLUTIONS

Precihole Machine Tools is a leader in design and manufacture of deep hole drilling and hole finishing solutions since its conception in 1988. We strive to inspire the industry by innovating new technology and products while keeping high standards in quality to the utmost customer satisfaction.

Design and construction of the machine, user friendliness of controls, machine performance, reliability and level of service and support are some of the major factors why customers are attracted repeatedly towards buying Precihole Solutions.

Precihole has over 1000 successful installations of machines spread all over the world. There are over 150 different applications in industries like Automotive, Die and Mold, Defense, Oil and Gas, Aerospace, Energy, Medical Implants, Hydraulic Cylinders, Instrumentation Heavy Engineering etc. where Precihole machines have been installed.

Precihole's Machine Tool Solutions can be broadly classified into the following categories:

## DEEP HOLE DRILLING

- Micro Gun Drilling Machines
- Single Axis Gun Drilling Machines
- Multi Axis Gun Drilling Machines
- BTA (STS) Drilling Machines
- Ejector Drilling Machines
- Pellet Die Drilling Machines

## HOLE FINISHING

- Skiving & Burnishing Machines
- Honing Machines
- Reaming Machines
- Lapping Machines

## SPECIAL PURPOSE MACHINES

- Customized Deep Hole Drilling Machines
- Facing, Centering and Chamfering Machines
- Broaching Machines
- Shocker tube BTA Drilling Machines

## THE PRECIHOLE ADVANTAGE

- Over three decades of proven experience in providing machine tools to the industry
- One stop shop for all deep hole drilling and hole finishing solutions
- Solutions are customized to suit individual project requirements and scale
- Solutions are industry proven for reliability, repeatability and accuracy
- Solutions provide an excellent return on investment
- Worldwide delivery and local technical support in all major markets



# SINGLE AXIS GUN DRILLING MACHINES

Precihole's GVN Series Gun Drilling Machines are built to manufacture high precision parts. Machines incorporate the latest technology available for this process in the world. Machines are customized to suit volume requirements and provide excellent straightness, surface finish and bore tolerance. Length to diameter ratios of up to 125 are possible. These machines are complete solutions that include features needed for continuous and repeatable performance over many years.



MODEL		GVN 0208C	GVN 0312C	GVN 0515C	GVN 0520C	GVN 0825C	GVN 1040C
Drilling Diameter Range	mm	Ø2 - Ø8	Ø3 - Ø12	Ø5 - Ø15	Ø5 - Ø20	Ø8 - Ø25	Ø10 - Ø40
	in	Ø0.08 - Ø0.3	Ø0.12 - Ø0.5	Ø0.2 - Ø0.6	Ø0.2 - Ø0.8	Ø0.32 - Ø1	Ø0.4 - Ø1.6
Spindles	nos.	1/2/4			1/2		
Max. Drilling Depth	mm	400 / 600 / 1000					
	in	16 / 24 / 40					
Part OD Range	mm	10 - 50			12 - 75		15 - 100
	in	0.4 - 2			0.5 - 3		0.6 - 4
Part Clamping System		Hydraulic Cone Clamping / Chuck Clamping					
Max. Component Weight	kg		30		50		70
	lbs		67		111		155
Counter Rotation Speed	rpm	300			200		140
Drill Feed Range	mm/min	0 - 1000					
	in/min	0 - 40					
Rapid Traverse	mm/min	10000			8000		5000
	in/min	394			315		197
Power Per Spindle	kW	1.5	2.2	3.7	5.5	7.5	15
	hp	2	3	5	7.5	10	20
Spindle Speed	rpm	2000 - 12000	1200 - 10000	600 - 6400		600 - 3300	500 - 2500
Coolant Tank Capacity (Max)	liters	900 / 1100			1050 / 1250 / 1600		1850 / 2000
	gal	238 / 290			277 / 330 / 425		490 / 530
Max. Coolant Pressure	kg/cm <sup>2</sup>	120	100	80		60	
	psi	1740	1450	1160		870	

# MICRO GUN DRILLING MACHINES

Precihole's latest GVN06M micro gun drilling machine is truly customized to fit all the needs of gun drilling in medical parts. The drilling range of 0.8 mm (0.03") to 6 mm (0.25") and a max part length of 300 mm (12") cover the complete spectrum of all medical parts. Special work holding arrangements on both sides provide an accurate locating and clamping mechanism for parts on the machine. 24,000 RPM on the tool spindle provides ample speeds for drilling process. A coolant pressure of up to 170 bar (2465 psi) ensures that the chips are evacuated properly from the part. This solution is offered in a single spindle version and a twin spindle version with independent slides.



## SALIENT FEATURES

- Compact Footprint with only 100 - 130 sq. ft. floor space needed per machine
- Option of single spindle or twin spindle with independent slides for high productivity
- Use of motorized (direct) spindles with speeds of up to 24000 RPM
- Component counter rotation speeds up to 2000 RPM
- High pressure coolant pump delivery up to 170 bar (2465 psi) pressure
- Multistage filtration system with 5-micron filtration level
- High precision component holding arrangement to hold complex profiles on part ends

MODEL	GVN 06M	
Drilling Diameter range	mm	Ø0.8 - Ø6
	in	Ø0.03 - Ø0.25
Spindles	nos.	1 / 2 Independent slides
Spindle Type		Motorized ( Direct Drive)
Part length	mm	300
	in	12
Part diameter	mm	5 - 20
	in	0.2 - 0.8
Power per spindle	kW	1.5
	hp	2
Spindle Speed	rpm	2000 - 24000
Counter rotation speed	rpm	200 - 2000
Coolant pressure (Max)	bar	170
	psi	2465
Machine Foot Print (L x W)	mm	5100 x 2400
	ft	200 x 95
Machine weight	kg	2500
	lbs	5500

# THREE AXIS KNEE TYPE GUN DRILLING MACHINES

Precihole's XYGVN Series Knee Type Multi Axis Gun Drilling Machines are designed to accommodate requirements for drilling multiple holes in small and medium size molds in Die and Mold industry. Machine can be customized to accommodate size and stroke requirements for various prismatic parts. Lot of off centered long hole application in automotive industries can be done efficiently. These machines provide excellent location accuracy and repeatability, straightness, surface finish and bore tolerance. Length to diameter ratios of up to 100 are possible on these machines.



MODEL		XYGVN 0312	XYGVN 0520	XYGVN 0825	XYGVN 1040
Drilling Diameter Range	mm	Ø3 - Ø12	Ø5 - Ø20	Ø8 - Ø25	Ø10 - Ø40
	in	Ø0.12 - Ø0.5	Ø0.2 - Ø0.8	Ø0.3 - Ø1	Ø0.4 - Ø1.6
Spindles	nos.		1/2		1
Drilling Depth	mm		600 / 1000		
	in		24 / 40		
Drill Feed Range	mm/min		0 - 1000		
	in/min		0 - 40		
Rapid Traverse	m/min	10000	8000		5000
	in/min	394	315		197
Power per Spindle	kW	2.2	5.5	7.5	15
	hp	3	7.5	10	20
Spindle Speed Range	rpm	1200 - 10000	600 - 6400	600 - 3300	500 - 2500
X Axis Travel x Y axis Travel	mm		500 x 300		
	in		20 x 12		
Working Envelope	mm		500(W) x 300(H)		
	in		20(W) x 12(H)		
Max. Component Weight on Table	kg		1000		
	lb		2200		
Spindle Center Height from Table Top	mm		50 - 350		
	in		2 - 14		
CNC Controller			Mitsubishi / Fanuc / Siemens		

# VERTICAL HONING MACHINES

Precihole's Vertical honing machines are next gen solutions that provide state of the art features and world class performance while providing the best value in the industry. They are designed to hone holes from Ø5 mm(0.2") to Ø50 mm (2") and part lengths of upto 1500 mm (60") long. Precihole has combined 30+ yrs of deep hole drilling and hole finishing machine development experience into these solutions. They are complete solutions comprising of machine, tooling, tooling accessories and honing oil suited perfectly for gun barrel honing.



## SALIENT FEATURES

- All electric servo motors for linear motion, spindle rotation and tool expansion
- Precision manufactured vertical column to support single or multiple spindles
- Operator friendly self learning controls with custom screens
- Five micron fine coolant filtration systems with oil chilling and magnetic separator for optimal performance
- Optional air gauging systems for automatic size control
- Quick change liner indexing table and part loading fixtures
- Double expansion technologies for larger diameter holes

MODEL		VHM 20	VHM 50
Honing Diameter Range (Ø)	mm	Ø5 - Ø20	Ø10 - Ø50
	in	Ø0.2 - Ø0.8	Ø0.4 - Ø2
Spindles	nos.	1 / 2	
Max. Honing Depth	mm	800 / 1000 / 1500	
	in	32 / 40 / 60	
Barrel OD Range	mm	15 - 65	20 - 100
	in	0.6 - 2.56	0.8 - 4
Max. Part Weight	kg	40	100
	lbs	89	220
Stroking Speed	m/min	10 - 30	
	ft/min	33 - 100	
Spindle Speed	rpm	10 - 1500	10 - 800

# FACING AND CENTERING MACHINES

Precihole manufactures a series of highly versatile end profiling machines for facing and centering of cylindrical shafts. Accuracy and repeatability is very important and critical for these parts for all further machining to be within tolerance. If the parts are not end profiled correctly, rejection rates are higher. This machine engages component simultaneously at both ends. Component clamping is rigid and cycle times are fast. Standard cutters are used for facing and centering. Automation for loading and unloading of parts is offered as an option.



## SALIENT FEATURES

- Use of ball screw and servo drives for linear motion
- Simultaneous facing and chamfering operation at both ends using special tools
- Hydraulic self centering work holding vices for part clamping
- Mitsubishi / Siemens PLC controls with touch screen HMI
- User friendly screens, simplified machine operation
- Chip conveyor and filtration system for flushing chips

MODEL		FCVN 50	FCVN 100
Part OD range (Ø)	mm	15 - 65	30 - 100
	in	0.6 - 2.6	1.2 - 4
Spindles	nos.	4	
Max. Part Length	mm	600 / 1000	
	in	24 / 40	
Part Clamping System		Self Centering Vices	
Max. Component Weight	kg	40	60
	lbs	90	130
Feed Range	mm/min	0 - 500	
	in/min	0 - 20	
Rapid	mm/min	5000	
	in/min	200	
Spindle Speed for facing	rpm	300 - 750	
Spindle Speed for centering	rpm	500 - 4000	
Power Per Spindle for facing & centering	kW	5.5	
	hp	7	

# BTA DEEP HOLE DRILLING MACHINES

Precihole's BVN Series BTA (STS) Deep Hole Drilling Machines are built to operate in continuous production mode for drilling large holes in shafts. Machines feature state of the art technology that produces holes with excellent straightness, bore tolerance and surface finish. These machines are complete solutions that include all features needed for continuous and repeatable performance over many years.



## SALIENT FEATURES

- Rigid and Robust design to allow precise and vibration free movement of machine elements
- Use of ball screw or rack and pinion with servo drives for linear motion
- Proprietary designed pressure head to allow optimum oil flow and tool guiding
- Vibration dampeners to absorb vibrations and reduce tube whipping to improve hole straightness
- Self centering chuck clamping at both ends on rotating setup for quick setup of parts
- High pressure coolant and fine filtration system
- Oil chilling and Automatic Lubrication
- Fanuc / Siemens CNC controls with customized screens for monitoring machine parameters
- Provision for adding other processes like Counter boring, Trepanning, Pull Boring, Skiving and Roller Burnishing, Bottle Boring on same machine

MODEL			BVN 40P	BVN 65P	BVN 100P	BVN 180P
Solid Drilling Range		mm	Ø12.7 - Ø40	Ø19 - Ø65	Ø25 - Ø100	Ø50 - Ø180
		in	Ø0.5 - Ø1.5	Ø0.74 - Ø2.5	Ø0.98 - Ø3.9	Ø1.97 - Ø7
Counter Boring (Max)		mm	---	Ø100	Ø175	Ø300
		in	---	Ø4	Ø7	Ø12
Drilling Length		mm	500 - 2000	1000 - 3000	1500 - 6000	2000 - 12000
		in	20 - 80	40 - 120	60 - 240	80 - 480
Tool head	Spindle Power	kW	15	22	37	74
		hp	20	30	50	100
	Spindle Speed Range	rpm	400 - 2500	250 - 1750	100 - 1300	50 - 650
Work Head	Spindle Power	kW	3.7	11	18.5	30
		hp	5	15	25	40
	Spindle Speed	rpm	120		40	25
Coolant System	Coolant Flow	LPM	160	400	700	1200
		GPM	43	107	187	320
	Tank Capacity	Litre	2500	4000	6000	8000
		Gal	660	1060	1600	2120

# SKIVING AND ROLLER BURNISHING MACHINES

Precihole's SBN Series Skiving and Roller Burnishing Machines are built to operate in a high production mode for accurate size & best bore finished hydraulic cylinder tubes. Machines incorporate use of state of the art technology that enables cycle times to be 30-40 times faster than honing. Machines are customized to suit volume requirements and provide excellent surface finish and wall thickness consistency across the length of the tube. These machines are complete solutions that include features needed for continuous and repeatable performance over many years.



## SALIENT FEATURES

- Rigid and Robust design to allow precise and vibration free movement of machine elements
- Use of ball screw or rack and pinion with servo drives for linear motion
- Multiple tool steadies to provide tube support
- Hydraulic vice clamping for clamping tubes for slender or longer tubes
- High pressure coolant and fine filtration system
- Oil chilling and Automatic Lubrication
- Fanuc / Siemens CNC controls with customized screens for monitoring machine parameters
- Automatic loading unloading arrangement - Optional feature on request

MODEL		SBN 150	SBN 250
Skiving & Burnishing Range	mm	Ø40 - Ø150	Ø40 - Ø250
	in	Ø1.57 - Ø6	Ø1.57 - Ø10
Skiving & Burnishing Length	mm	1000 - 10000	
	in	40 - 394	
Configuration		Tool Rotating and Feeding, Part Stationary	
Tool Head			
Spindle Power	kW	51	71
	hp	68	95
Spindle Speed Range	rpm	150 - 1600	100 - 1300
Coolant System	LPM	600	1200
	GPM	159	317
Tank Capacity	Litre	4000	8000
	Gal	1057	2116
Coolant Pump Power	kW	11	18.5
	hp	15	25

# HORIZONTAL HONING MACHINES

Precihole Horizontal Honing Machines cover the requirements of honing the complete range of medium and large caliber artillery barrels from Ø20 mm (0.8") to Ø160 mm (6.5"). The maximum length of the barrel can be up to 10000 mm. The honing solution includes the machine as well as all the tooling and tooling accessories needed. The design of the machine is optimized to allow quick loading and unloading of barrel. Precision control of depth and diameter of the barrel are ensured by using PLC controls and servo drives.



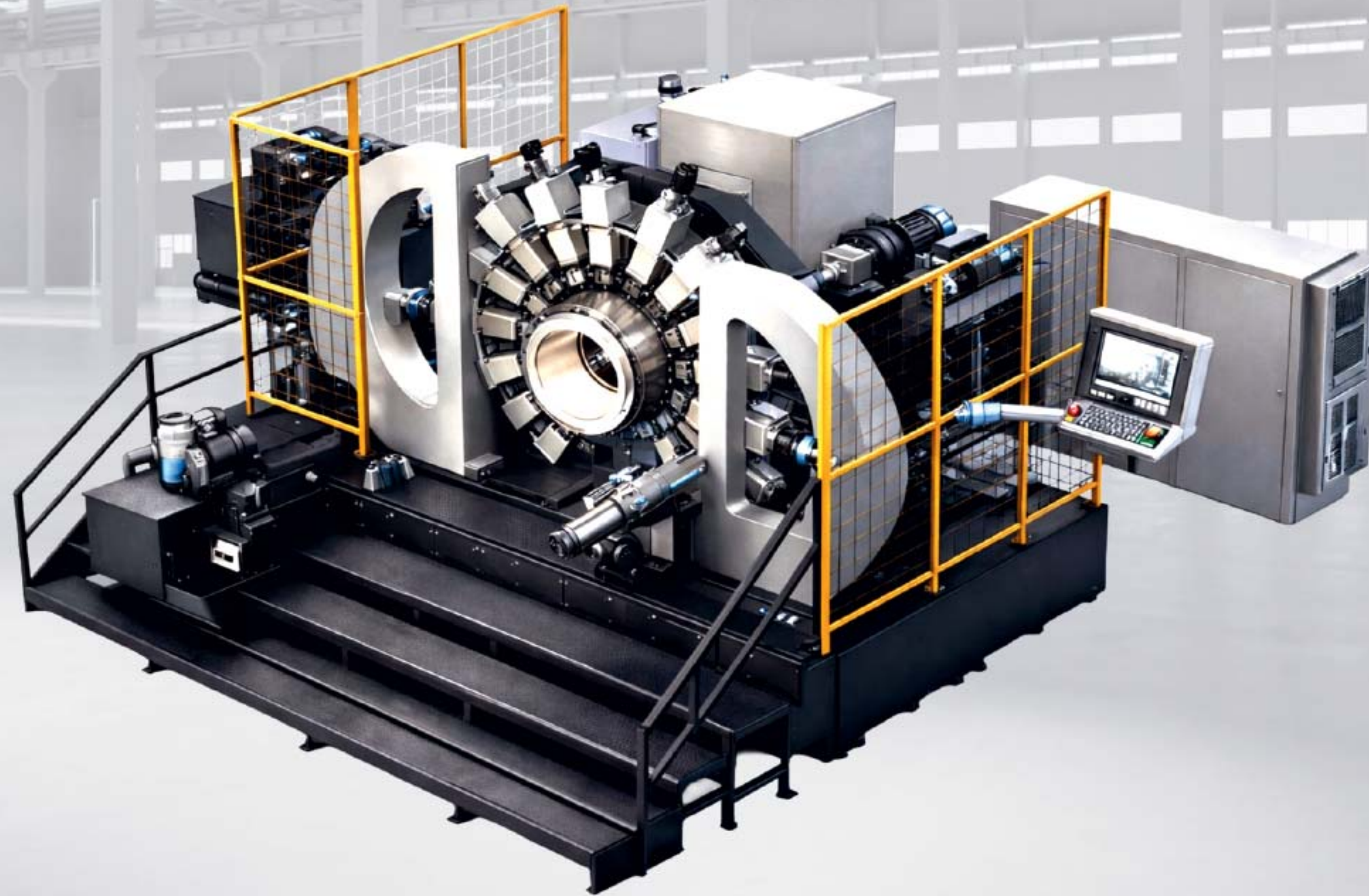
## SALIENT FEATURES

- Use of sprocket & chain and servo drives for reciprocating linear motion
- Special fixturing for quick component location & clamping
- 10 micron fine coolant filtration system
- User friendly machine operation
- Siemens / Mitsubishi PLC controls

MODEL		HHM 40	HHM 120	HHM 155
Honing Diameter Range	mm	Ø20 - Ø40	Ø30 - Ø125	Ø50 - Ø160
	in	Ø0.8 - Ø1.57	Ø1.2 - Ø5	Ø2 - Ø6.5
Configuration		Tool rotating with part Counter rotation		
No. of Spindles	nos		1	
Max. Length of Barrel	mm	3000	5000	10000
	in	120	196	400
Max. Barrel OD	mm	Ø100	Ø150	Ø250
	in	Ø4	Ø6	Ø10
Max. Barrel Weight	kg	200	900	2500
	lbs	120	2000	5500
Spindle Speed	rpm	10 - 500	10 - 300	10 - 300
Feed Range	m/min		0 - 30	
	ft/min		0 - 100	

# PELLET DIE GUN DRILLING MACHINES

The Precihole Pellet Die Gun Drilling Machine is a high-precision CNC solution purpose-built for the deep-hole drilling of biomass, feed, and fuel pellet dies. By integrating high-speed spindle technology with advanced high-pressure coolant systems, it ensures exceptional hole straightness and surface finish in hardened steels. Designed for continuous production, this rigid and thermally stable machine offers flexible programming for complex hole patterns, delivering high productivity with reduced tool wear and reliable, cost-effective performance.



## SALIENT FEATURES

- Purpose-built for deep-hole drilling of pellet dies, ensuring superior hole straightness, concentricity, and surface finish.
- Heavy-duty, vibration-damped construction maintains dimensional accuracy during continuous high-load drilling operations.
- Optimized motorized spindle design provides stable rotation, consistent torque, and extended tool life during deep-hole machining.
- Integrated high-pressure coolant delivery ensures effective chip evacuation and prevents tool overheating.
- Ensures accurate tool guidance at entry, minimizing runout and maintaining straightness over long drilling depths.
- User-friendly CNC interface enables precise positioning, repeatability, and flexible programming of complex hole patterns.
- Stable cutting conditions and efficient cooling significantly extend gun drill life and reduce consumable costs.
- Designed for 24/7 production environments with easy access to service points and minimal maintenance downtime.

MODEL		PDM 0820	PDM 0260
Diameter Range	mm	Ø0.8 - Ø2	Ø02 - Ø6
	in	Ø0.03- Ø0.08	Ø0.04- Ø0.157
Configuration		Part Stationary - Tool Rotating and Feeding	
No. of Spindles	nos	4 / 8 / 12	
OD of part (range)	mm	350 - 750	600 - 1200
	in	14 - 30	24 - 47
Max. Drilling Depth	mm	Ø60	
	in	Ø2.3	
Max. Pellet Die Height	mm	400	
	in	16	
Spindle Speed	rpm	24000	
Max Coolant Pressure	bar	200	170
	psi	2900	2500

# TUBE SHEET DRILLING MACHINES

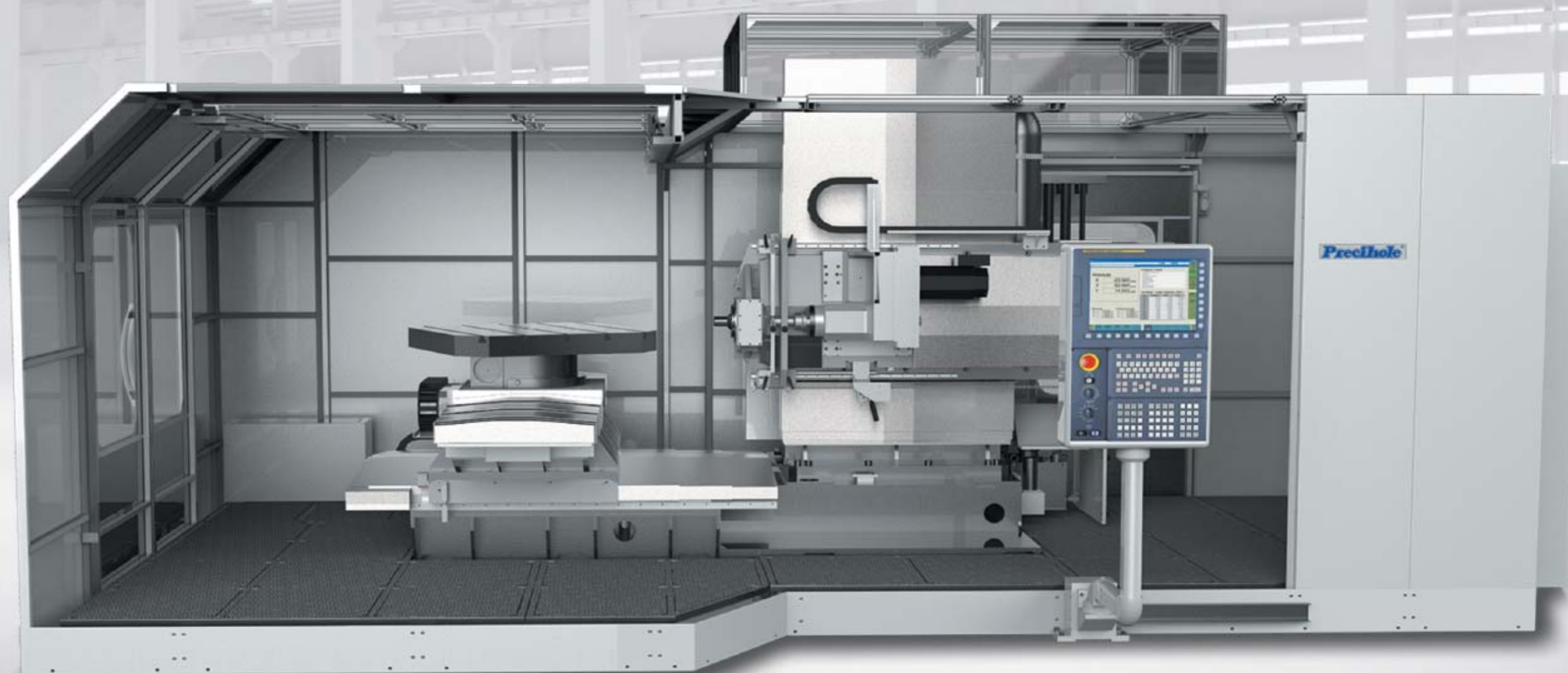
Precihole's tube sheet drilling machines are high-precision CNC solutions engineered for the demanding requirements of heat exchangers, boilers, and pressure vessels. These machines prioritize positioning accuracy and perpendicularity, ensuring the leak-free joints essential for high-pressure applications. By combining robust construction with advanced automated cycles, they deliver consistent performance across complex hole patterns in thick or alloyed materials. This focus on rigidity and optimized coolant delivery reduces cycle times and operator dependency, making them a dependable, low-maintenance choice for high-volume industrial manufacturing.



MODEL		TDM 1000	TDM 1500	TDM 2000
Diameter Range	mm		Ø10 - Ø30	
	in		Ø0.4- Ø1.18	
Configuration		Moving column – Part stationary, column move with spindle movement in vertical and horizontal directions		
No. of Spindles	nos		1/2	
Variable Center Distance			Yes	
Max size of part	mm	1000 x 1000 x 300	1500 x 1500 x300	2000 x 2000 x 2000
	in	40 x 40 x 12	60 x 60 x 12	80 x 80 x 12
Max. Drilling Depth	mm		Ø300	
	in		Ø12	
Max Tube Sheet Thickness	mm		200 - 300	
	in		8 - 12	
Spindle Speed	rpm		100 - 2000	
Drilling Feed Rate	mm/rev		0.05 - 0.5	
	in/rev		0.002 - 0.02	
Drilling Tolerance	mm		0.05 / 0.1	
	in		0.002 / 0.1	
Max Coolant Pressure	bar		50	
	psi		735	

# MULTI-AXIS COLUMN TYPE DEEP HOLE DRILLING MACHINES

Precihole's XYGVNCL Series Column Type Multi Axis Gun Drilling Machines satisfy all requirements for drilling and milling of multiple deep holes in large size molds for Die and Mold industry and Tube sheets. Machines can be customized to accommodate size and stroke requirements. These machines provide excellent location accuracy and repeatability, straightness, surface finish and bore tolerance. Length to diameter ratios of up to 100 are possible on these machines.



## SALIENT FEATURES

- Adequate axes strokes to accommodate large size mold bases
- Use of ball screw and servo drives for linear motion
- Rigid fabricated & stress relieved column construction to provide required accuracy
- High pressure coolant and fine filtration system
- Oil chilling and Automatic Lubrication
- Mitsubishi / Fanuc / Siemens CNC controls with customized screens for monitoring machine parameters
- Optional feature of milling attachment

MODEL		XYGVN0420CL	XYGVN0332CL	XYGVN1040CL
Drilling Diameter	mm	Ø4 - Ø20	Ø3 - Ø32	Ø10 - Ø40
	in	Ø0.16 - Ø0.8	Ø0.12 - Ø1.26	Ø0.4 - Ø1.6
Spindles	nos	1		
Drilling Depth	mm	600	1300	1000/1200/1500
	in	24	51	40/48/60
Drill Feed Range	mm/min	0 - 1000		
	in/min	0 - 40		
Rapid Traverse	mm/min	4000		
	in/min	157		
Spindle Power (Drilling)	kw	7.5		15
	hp	10		20
Spindle Speed Range	RPM	650 - 7500		500 - 2500
Table Size	mm	1000 x 1000	900 x 1500	1500 x 1500
	in	40 x 40	35 x 59	60 x 60
Horizontal Traverse ( X )	mm	600	1300	1500
	in	24	51	60
Vertical Traverse	mm	600	1000	1500
	in	24	40	60
Rotary Table (B)	deg.	-	Optional / 360°	Optional / 360°
Clearance Axis (W)		-	Optional	Optional
Max Component Weight	kg	3000	5000	8000
	lbs	6600	11000	17500

# COUNTER BORING MACHINES FOR SHOCKER TUBES

The Precihole Counter Boring Machine is a specialized BTA-based solution engineered for high-precision automotive shocker tube manufacturing. It features a vibration-damped structure and high-performance spindles to ensure superior surface finishes, accurate bore diameters, and precise depth control. Equipped with PLC-based controls and advanced chip evacuation systems, the machine is optimized for high-volume production, offering exceptional tool life and process reliability for consistent suspension component quality.



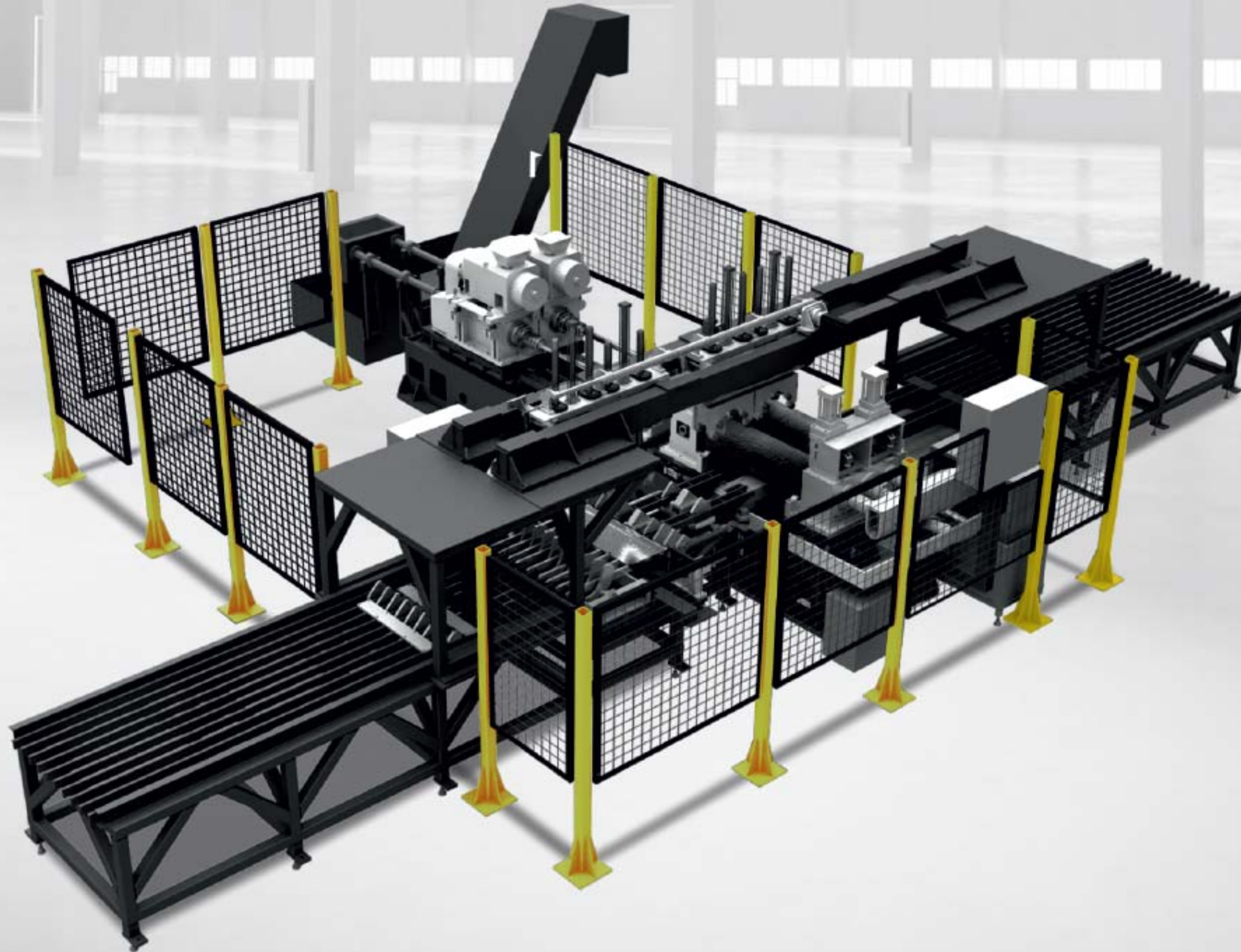
## SALIENT FEATURES

- Designed specifically for precision counterboring of shocker tubes, ensuring excellent bore accuracy and surface finish.
- Twin counterboring spindles mounted on a single slide enable higher productivity and balanced machining. Ensures precise counterbore diameter, depth control, and concentricity critical for shock absorber performance.
- Proven machining concept ensures stable cutting conditions and consistent results in aluminum alloy shocker tubes.
- Secure component holding improves safety, repeatability, and reduces operator fatigue.
- Individual spindle motors with controlled RPM range deliver optimal cutting performance and extended
- High-flow coolant with cyclone filtration ensures efficient chip removal without any consumable element which ensures superior surface finish.
- User-friendly interface enables easy operation, diagnostics, and consistent cycle control.
- Built for high-volume automotive production with robust systems, easy service access, and long operational life.

		Tool Stationary & Feeding with Component Rotating
Range of Counter Boring Diameter	mm	25 - 40
	in	1 - 1.5
No. of Tool Head Spindles		Two (Mounted on Same Table Slide)
Max Component OD	mm	55
	in	2.16
Range of Component Length	mm	240 - 400
	in	1 to 1.5
Max Stock Bore	mm	1 to 1.5
	in	0.04 - 0.06
Component Loading & Unloading		Manual
Component Clamping & Unclamping		Automatically (Hydraulic Control)
Maximum Drilling Depth	mm	400
	in	16
Maximum Weight of the Component	kg	7
	lbs	16

# SPECIAL PURPOSE DEEP HOLE DRILLING MACHINES

Precihole Machine Tools specializes in design and manufacturing of special purpose machines for deep hole drilling and hole finishing applications. We have experience in manufacturing machines for over 150 special applications in various industries where the requirements did not fit any of our standard machines. Our team of highly experienced engineers works closely with the customer to define requirements, study the underlying process, come up with a concept, then design, manufacture and prove out the machine. Every special machine undergoes thorough testing on the floor before dispatch to ensure smooth working in production mode.



## TWIN SPINDLE AUTOMATIC BTA DRILLING MACHINE

Drilling Range	mm	Ø25 - Ø80
	in	Ø1 - Ø3.15
Drilling Depth	mm	350 - 1100
	in	13.8 - 43
Component		Billets
Component Material		Alloy Steel, SS, Duplex
Component Diameter	mm	Ø180 - Ø350
	in	Ø7 - Ø350
Component Loading / Unloading		Automatic
Number of Spindles		2
Chip collecting system		Scraper Type Conveyor
Spindle Motor	kW	39 Per Spindle
	HP	52 Per Spindle
Coolant Tank Capacity		7500 Liters
Total Connected Electric Power	kW	275
Spindle Speed	RPM	150 - 1300
Feed Rate	mm/min	20 - 400
	in/min	0.8 - 15
Rapid Rate	mm/min	5000
	in/min	200
Floor Area	sq. mm	11200 x 6800

# TOOLING ACCESSORIES AND GUN DRILL REGRINDING MACHINE

Precihole manufactures high quality, precision spares and tooling accessories for their deep hole drilling and hole finishing machines. These accessories fit perfectly on the machine. Precihole guarantees good performance and life on these OEM parts. Customers are highly encouraged to buy and use machine spares and tooling accessories from Precihole only.

## GUN DRILLING



GUIDE BUSH



WHIP GUIDE



CONE LOCATOR



COOLANT REPELLER

## BTA



PRESSURE HEAD



GLAND PACKING HOUSING



DAMPENING COLLET



VIBRATION DAMPENING ASSY

## GUN DRILL REGRINDING MACHINE

Precihole's Gun Drill Resharpener Machine is built for precise and quick resharpener of a variety of gun drills in a single setup. This machine is designed with operator friendliness in mind and helps shops keep up with quick gun drill resharpener turnout needed in a high production environment. The range of gun drill sharpening on this machine varies from Ø3 mm (0.11") to Ø30 mm (1.18") with the normal machine and Ø1 mm (0.039") to Ø30 mm (1.18") with a vision system (optional)

## SALIENT FEATURES

- Compact and operator friendly ergonomic design
- Rigid cast iron construction ensuring long life
- Precision movement of all dials
- Single Grit diamond wheel.  
Double Grit Diamond wheel (Optional)
- Magnifying glass and light
- Storage and electrical cabinet



# Precihole Machine Tools Pvt. Ltd.

## Our Global Presence

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**500+** Installations Worldwide



Precihole Machine Tools Pvt. Ltd  
Behind Harmony Arcade, Pimpalghar, Bhiwandi – Kalyan Road,  
Taluka Bhiwandi, District Thane - 421311, Maharashtra, India.  
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