

Manufactured by :

Precihole[®]

Inspire - Innovate - Deliver

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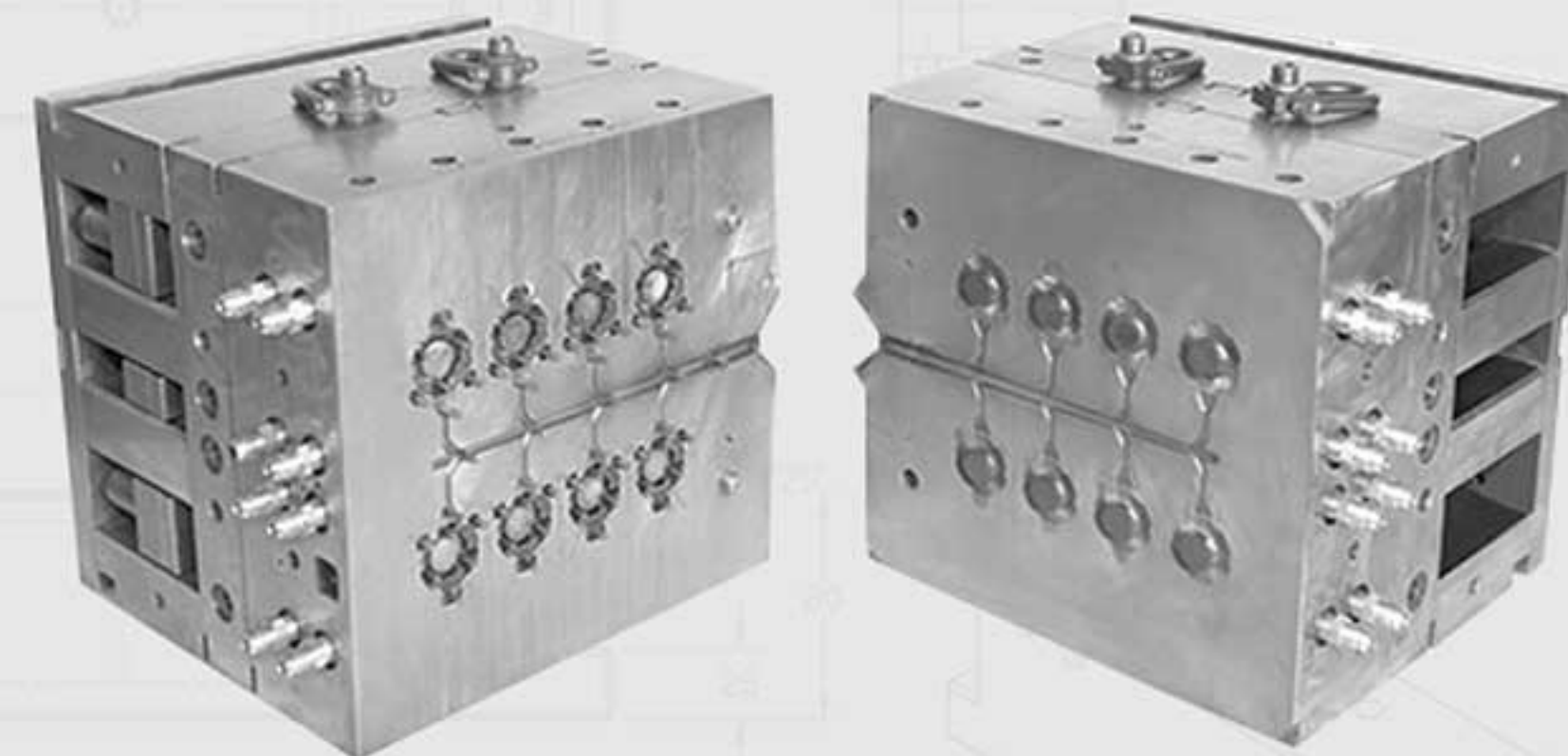
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MACHINE TOOL SOLUTIONS FOR DIE & MOLD INDUSTRY



Precihole Machine Tools is a leader in providing Deep Hole Drilling and Finishing machines for the Die and Mold industry. With decades of experience manufacturing precision and reliable machine tool solutions, Precihole has established itself well in the Die and Mold industry.

Precihole has three manufacturing plants where these machines are manufactured. Precihole machines are built in-house from concept to final solution with a talented team of qualified and experienced individuals. Precihole is ISO 9001:2008 certified for the past decade and all the solutions are built to the highest level of quality.

Precihole has partners and distributors with dedicated service teams in United States, Europe and India that are able to provide support, training and service to our esteemed clientele.

The Precihole Advantage

- Over 25 years of experience in Deep Hole Drilling technology
- Proven process expertise in Deep Hole Drilling and Hole Finishing operations
- Technical competency in providing solutions for complex machining
- Streamlined Business Processes that provide Value and ROI for our customers
- Worldwide delivery and technical support for all our products and services

Machine Tool Solutions for Die and Mold Applications

Die and Mold plates require multiple complex deep holes to be drilled for coolant recirculation. Gun drilling is the preferred process to drill those holes. Precihole manufactures solutions for the Die and Mold industry. These solutions are industry proven and are used by many die and mold shops around the world. Precihole solutions are well respected and provide the best value and return on investment in the industry.

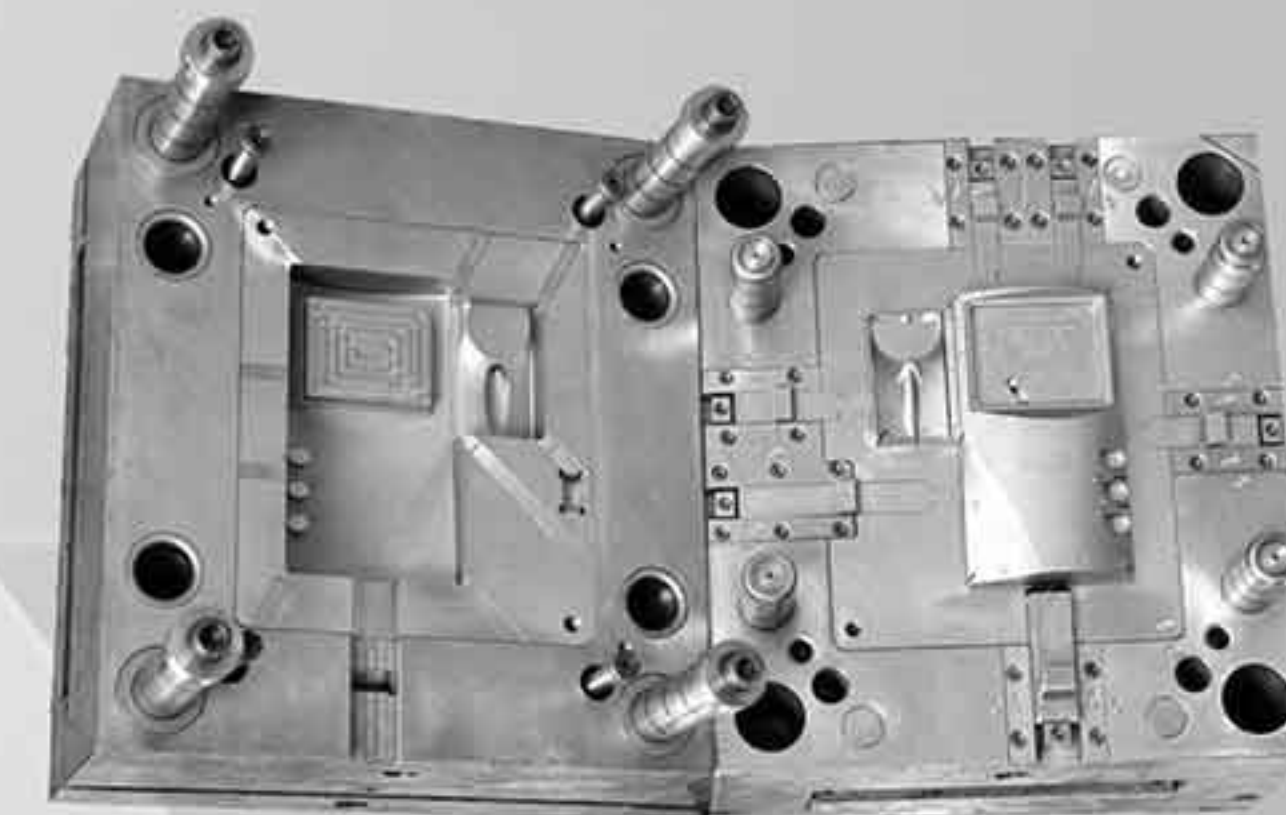
Precihole is proud of its job shop for precision die and mold plates. With many dedicated machines, Precihole churns out hundreds of precision die and mold plates each month. All the complexities associated with die and mold plate manufacturing are well known and this experience translates into our machine tool solutions.

Precihole solutions can be used for drilling and machining of:

- Molds
- Mold Bases
- Manifolds
- Heater Plates
- Stripper Plates
- Clamp Plates

Precihole Die and Mold Solutions can be broadly classified into the two categories:

- Knee Type Three Axis Gun Drilling Machines
- Column Type Multi Axis BTA/STS Drilling Machines



Three Axis Gun Drilling Machines



MACHINE GUARD



FANUC/SIEMENS
CNC CONTROLS



AUTO LUBRICATION



INTEGRATED HIGH
SPEED SPINDLE



BASE WITH INTEGRATED
COOLANT TANK



Precihole's XYGVN Series Gun Drilling Machines are designed for drilling into small and medium mold plates that need one or more holes on a face. An optional rotary table allows drilling on multiple faces in one setup. Precise and highly productive, these versatile machines are ideal for gun drilling in a wide variety of die and mold applications.

MODEL	XYGVN25	
Drilling Diameter Range	mm	Ø5 - Ø25
	in	Ø0.2 - Ø1
Drilling Depth	mm	600 / 1000
	in	24 / 40
Drill Feed Range	m/min	0 - 1000
	in/min	0 - 40
Power per Spindle	kW	9
	hp	12.25
Spindle Speed Range	rpm	400 - 6500
X Axis Travel x Y Axis Travel	mm	500 x 300
	in	20 x 12
Max. Component Weight on Table	kg	1000
	lb	2200

Specifications subject to change without notice due to continued product improvement.



Tools & Accessories

Tool Regrinding Machine



Standard Features

- Fully enclosed machine guarding
- Axis Motion on LM Guide Ways
- Ball-screw & Servo drives for Linear Motion
- High pressure coolant system
- Coolant Filtration System with 25µ level of filtration
- Centralized Lubrication
- FANUC / Siemens CNC Controls

Add-on Features

- Chip Conveyor / Magnetic Drum Separator
- Compact Band Filtration
- Coolant Oil Chiller
- CE / UL Certification
- Tool Steadies
- Variable Coolant Flow System
- Tool Wear / Breakage Monitoring System
- Component End Butting Arrangement
- Rotary Table

Tools & Accessories

- Gun Drills
- Guide Bushes
- Whip Guides
- Coolant Repellers
- Cone Locators
- Tool Pre-setter
- Tool Regrinding Machine

Column Type Multi-Axis Deep Hole Drilling Machines



RIGID COLUMN



FANUC/SIEMENS CNC CONTROLS



AUTO LUBRICATION



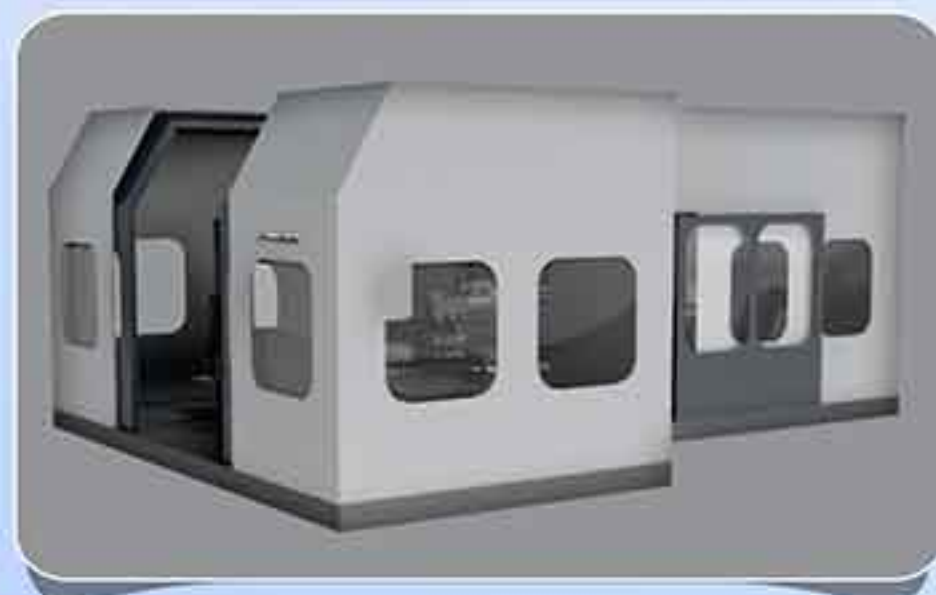
INTEGRATED HIGH SPEED SPINDLE



TOOL STEADIES



- Gun Drilling / BTA (STS) Drilling modes
- Sub Spindle for Spot Facing / Milling
- Rotary Table for machining multiple faces
- Angular Drilling



Precihole's column type XYGVN Series Gun Drilling Machines are designed for large components that require multiple holes to be drilled on face. These machines come in various sizes depending on the needs of the component.

MODEL		PMTC25D	PMTC40D	PMTC65D
Max. Weight of Mold Plate	kg	8000	15000	20000
	lbs	17600	33000	44000
Drilling Stroke	mm	1000	1500	2000
	in	40	60	80
Drilling Size	mm	5 - 25	8 - 38	8 - 65
	in	0.2 - 1	0.3 - 1.5	0.3 - 2.5
Table Size	mm	1000 x 1000	1500 x 1500	2000 x 2000
	in	40 x 40	60 x 60	80 x 80
Spindle Power (Drilling)	kw	9	15	22
	hp	12.5	20	30
Spindle Power (Milling)	kw	9	15	15
	hp	12.5	20	20
X Axis	mm	1000	1500	2000
	in	40	60	80
Y Axis	mm	1000	1000	1500
	in	40	40	60
B Axis	deg.	360°	360°	360°
W Axis	mm	450	600	750
	in	18	24	30
No. of Axis	No.	3-7	3-7	3-7
Angular Movement	deg.	15°	20°	20°

Specifications subject to change without notice due to continued product improvement.

Standard Features

- Axis Motion on LM Guide Ways
- Ball-screw & Servo drives for Linear Motion
- High pressure coolant system
- Coolant Filtration System with 25µ level of filtration
- Centralized Lubrication
- FANUC / Siemens CNC Controls

Add-on Features

- Chip Conveyor / Magnetic Drum Separator
- Compact Band Filtration
- Coolant Oil Chiller
- CE / UL Certification
- Variable Coolant Flow System
- Tool Wear / Breakage Monitoring System
- Rotary Table
- Fully enclosed machine guarding

Tools & Accessories

- Gun Drills
- Guide Bushes
- Whip Guides
- Coolant Repellers
- Cone Locators
- Tool Pre-setter
- Tool Regrinding Machine

