

Presenting to you a varying range of highly precise, rugged & cost effective micro-millers :

- Shilpin VAJRA
- Shilpin CHAMPION
- Shilpin CHISELER
- Shilpin SPEEDSTER



SHILPIN

Quality Through Care

APPLICATION & KNOW-HOW DRIVEN COMPANY

WHY SHILPIN? - VALUE FOR MONEY, NATURALLY !!

1. A 25 year company with a rich history of Mechatronics, Automation, Robotics, SPM Manufacturing & more....
2. "MADE IN INDIA !" 100% indigenously designed & manufactured machines !
3. A Quality-conscious & service-oriented company.
4. Customer Benefits-Highlights :
 - ✓ Small foot-print
 - ✓ Low Investment → High Returns
 - ✓ Low Power consumption
 - ✓ Thorough transfer of technology & hand-holding by team Shilpin
 - ✓ Prompt, Nation-wide support from global suppliers like Siemens, Mitsubishi, Omron
 - ✓ Rugged Micro-millers at affordable costs.
 - ✓ Zero-Maintenance cost
 - ✓ User-Friendly & Easy to operate
 - ✓ Potential of Pay-back on Machine, in less than a year
 - ✓ Great After-Sales, Service-Support
 - ✓ Attractive financing options

www.shilpin.co.in

Your One-Stop For Fast & Accurate Micro-Machining Solutions !!

Shilpin VAJRA



SPECIFICATIONS	
Working Table Size (mm)	440 x 500
T-Slots	1) Number: 5
	2) Center Distance (mm) : 90
	3) Size (mm) : M8
Machining Area (X x Y x Z) (mm)	410X410X210
X x Y x Z Axis Travel (mm)	420X420X210
Distance of Spindle Bottom from table (mm)	56
Accuracy (With Pitch-compensation) (X x Y x Z) (mm)	Positional Accuracy : < 0.010
	Repeatability : 0.005
Flatness Error of Working Table (mm)	< 0.03
Media Height (mm)	265
Gantry Width (mm)	480
Max. Load Weight (kg)	100
Pressure Deformation of Working Table	< 0.02 (300 kg)
Spindle Power (kW)	2.2
Spindle Rotate Speed (RPM)	24000
Tool Collet	ER16
Max.Tool Size (mm)	8 mm
Rapid Traverse Rate (Max.)	6 m/min.
Feed Rate (Max.)	2 m/min
Total Power (kW)	4.0
Drive System	Digital AC Servo drives (Panasonic)
Control System	Syntec
Programming	ISO G-Code
Power Supply	220V/50Hz
Net Weight (kg)	900-1000
Machine Size (mm)	1300x960x1400

SALIENT FEATURES:

- Our most cost-effective model
- Small footprint
- Ergonomic design

APPLICATION AREAS:

- Brass punches
- Tablet punch
- Needle dies
- Copper electrodes
- Imitation jewellery molds
- Detailed brass work



Shilpin CHISELER



SALIENT FEATURES:

- High spindle speed
- Optimal control system
- Maximum daylight

APPLICATION AREAS:

- Shoe sole molds
- Soap molds
- Toy molds
- Coining punches
- Hot stamping dies

SPECIFICATIONS

Working Table Size (mm)	440 x 540
T-Slots	1) Number: 5
	2) Center Distance (mm) : 90
	3) Size (mm) : M8
Machining Area (X x Y x Z) (mm)	410X410X210
X x Y x Z Axis Travel (mm)	420X420X210
Distance of Spindle Bottom from table (mm)	30
Accuracy (With Pitch-compensation)	Positional Accuracy : < 0.010
(X x Y x Z) (mm)	Repeatability : 0.005
Flatness Error of Working Table (mm)	< 0.03
Media Height (mm)	265
Gantry Width (mm)	480
Max. Load Weight (kg)	100
Pressure Deformation of Working Table	< 0.02 (300kg)
Spindle Power (kW)	4
Spindle Rotate Speed (RPM)	40000
Tool Collet	ISO20/ER16
Max. Tool Size (mm)	8
Rapid Traverse Rate (Max.)	6 m/min.
Feed Rate (Max.)	2 m/min
Total Power (kW)	6
Drive System	Digital AC Servo drives
Control System	Siemens / Mitsubishi
Programming	ISO G-Code
Power Supply	440 V 3ph / 50 Hz
Net Weight (kg)	900 - 1000
Machine Size (mm)	1300x1250x2000



Shilpin CHAMPION



SPECIFICATIONS

Working Table Size (mm)	440X680
T-Slots	1) Number: 5
	2) Center Distance (mm) : 90
	3) Size (mm) : M8
Machining Area (X x Y x Z) (mm)	420X580X210
	420X350X210 with ATC
X x Y x Z Axis Travel (mm)	420X580X210
Distance of Spindle Bottom from table (mm)	10 / 70
Accuracy (With Pitch-compensation) (X x Y x Z) (mm)	Positional Accuracy:<0.010
	Repeatability:0.005
Flatness Error of Working Table (mm)	< 0.03
Media Height (mm)	200 / 265
Gantry Width (mm)	480
Max. Load Weight (kg)	100
Pressure Deformation of Working Table	< 0.02 (300 kg)
Spindle Power (kW)	4
Spindle Rotate Speed (RPM)	40000
Tool Collet	ISO20/ER16
Max. Tool Size (mm)	8
Rapid Traverse Rate (Max.)	10 m/min.
Feed Rate (Max.)	8 m/min
Total Power (kW)	7.5
Drive System	Digital AC Servo drives
Control System	828D / M80
Programming	ISO G-Code
Power Supply	440 V 3ph / 50 Hz
Net Weight (kg)	1500
Machine Size (mm)	2100x1140x2000

SALIENT FEATURES:

- Fourth axis option
- Automatic tool change option
- High accuracy

APPLICATION AREAS:

- Luxury pen covers
- Decorative door handles
- Pressure die casting
- Punching dies for silver articles
- Cylindrical sculptures
- Intricate dies and punches



Shilpin SPEEDSTER



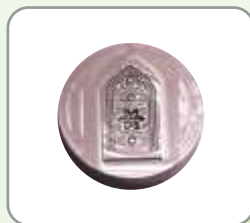
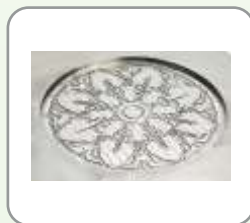
SPECIFICATIONS	
Working Table Size (mm)	600x600
T-Slots	1) Number: 7
	2) Center Distance (mm) : 90
	3) Size (mm) : M8
Machining Area (X x Y x Z) (mm)	600x600x210
X x Y x Z Axis Travel (mm)	600x600x210
Distance of Spindle Bottom from table (mm)	70
Accuracy (With Pitch-compensation) (X x Y x Z) (mm)	Positional Accuracy : < 0.010
	Repeatability : 0.005
Flatness Error of Working Table (mm)	< 0.03
Media Height (mm)	300
Gantry Width (mm)	660
Max. Load Weight (kg)	150
Pressure Deformation of Working Table	< 0.02 (300kg)
Spindle Power (kW)	5.5
Spindle Rotate Speed (RPM)	30000
Tool Collet	ER25/BT30
Max. Tool Size (mm)	16
Rapid Traverse Rate (Max.)	10 m/min
Feed Rate (Max.)	8 m/min
Total Power (kW)	7.5
Drive System	Digital AC Servo drives
Control System	828D/M80
Programming	ISO G-Code
Power Supply	440 V 3ph / 50 Hz
Net Weight (kg)	3000
Machine Size (mm)	2100x1600x2000

SALIENT FEATURES:

- Large machining area
- Powerful spindle
- High feedrate

APPLICATION AREAS:

- Blow molds
- Large name plates
- Aluminum patterns
- Oil seal molds
- Button dies
- Leather stamping dies



STANDARD FEATURES :

- 3 Axis Double Column Machine
- High Precision Ball Screws & LM Guides
- Easy to use Powerful CNC System
- Servo Drives and motors for axes
- High precision integrated electrospindle
- Standard ISO G-Code Language
- Program can be imported from any CAM package in standard format
- Machine bed made of Cast Iron FG300
- Laser Calibration

OPTIONAL FEATURES :

- 8 Position Automatic Tool Changer /ATC
- Rotary Axis with Chuck ABC-400mm, Dia-100mm
- Tool Grinder
- Z- Tool Preset
- Panel Air Conditioner
- Water /Oil Cooled Spindle
- Bi-Directional Laser Compensation
- Full Machine Guard /Half Guard
- Automatic Lubrication
- CAM Software
- Top Surface
- OPC - UA

PLEDGE

Dear Customer,

Your profitability depends on how quickly our machines produced micro-milled and engraved parts of high accuracy and surface finish.

We will transfer Know-How to you for tooling, work-holding, CAD/CAM programming, process parameters, 3D engineering, reverse engineering and polishing.

We welcome challenges in search of innovative ways for your growth. Write to us!

Team Shilpin and I promise to help you serve your customer better!

Abhay Deshmukh
MD

MADE IN INDIA FOR THE WORLD...

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