



SHUSA MECHATRONICS is today well established group made its mark in the field of 5 Axis and 3 Axis Stone & Wood Engraving machine as well as for Design, Development and Manufacturing of Machine tool & Precision Engineering Components.

Started as Engineering company, **SHUSA MECHATRONICS** is a now a name for small and large Indian company as well as foreign company for Carving CNC machine solutions, designing and manufacturing solutions.

With our highly educated Techno-commercial management and strongly motivated team of skilled professionals, we always endeavor our best to provide everlasting value to our customers.

We always looking towards new technology with highly efficient machinery as well as measuring or calibrating facility to provide true satisfaction to our customer to increase their efficiency and profitability.



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MISSION

Our Mission is to provide efficient quality engineering services with our existing technical know-how as well as human capital and thereby understand, satisfy & commemorate our customers.

VISION

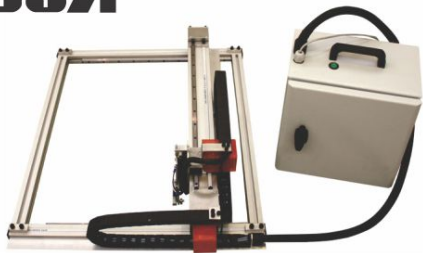
Our Vision urges us towards implementing our research and innovation in a delighting our present patrons and prospective clients. In coming times, Shusa Mechatronics is all set to achieve new milestones in customer services and developing technologically competent products in the mechanical field.

QUALITY POLICY

We at Shusa believe in Total Quality. Quality is not just a benchmark, it's an ongoing process of thriving for excellence and we have inculcated the steps to achieve best quality in our services and products. Our policy is to produce cost-effective, timely and customer delighting solutions.



www.shusacnc.com



Photomaster Mini



Photomaster



PHOTOMASTER STONE ENGRAVING PLOTTER

Photomaster is a professional engraving machine with highly advanced automation of settings and engraving process control. It can move any image onto the surface of a hard material (stone, glass, metal, etc.) maintaining a very high quality. As one of the few, we developed software which adjusts the impact of a stylus to a given tone in the greyscale. It means that Photomaster is now able to engrave given elements with various force which allowed to improve such engraving parameters as depth of picture, clearer halftones, small graphic details, that is clothes pattern, jewellery, eyes, wrinkles, etc.

	ITEM	PHOTOMASTER	PHOTOMASTER MINI
SPECIFICATIONS	Power supply	230 V	230 V
	Working area range	X axis: 1000 mm; Y axis: 1000 mm; Z axis: 200 mm	X axis: 1000 mm; Y axis: 1000 mm; Z axis: 450 x 350
	Max. mechanical resolution of the device	0,1 mm	0,1 mm
	Max. thickness of engraved material	200 mm	200 mm
	Weight of the machine	100 kg	30 kg
	Dimensions of the machine	1750mm x 700mm x 2000mm	720mm x 800mm

ADVANTAGES

- Complex software for preparing images compatible with Windows XP, Vista, Windows 7
- Multistage contact force of the device (greyscale)
- Control panel with working area (displayed)
- Working parameters adjustment: pitch and speed of the tool
- Machine can work with any computer by USB port
- Engraving letters as well as handwriting (prepared as a bitmap) is possible
- Engraves on stone, glass, metal
- The head engraves in reciprocating movement

3D SCANNER

Accuracy

STONE400 guarantees maximum scan quality and minute detail perception, especially when you have to scale your model. Single capture measurement and relevant max detail $\pm 0,1$ mm.

Scan area

The 3D scan is the result of the combination of different 3D photos.
3D single scan area: 400 x 400 x 330 mm

Hardware

- Light source: LED
- Dimensions: 400 x 250 x 125
- TV cameras: 1.3 MPX
- Sensor weight: 5Kg
- Capture time: <4s
- LCD projector

Software

REVENG STONE (Open Technologies srl)

- Streamlined scanner management interface
- Standard format file export for tool path generation
- Tool set for the scanned 3D model management
- Digital archives generation

Additional software: Geomagic Wrap

Statuses

The perfect solution for a no-contact capture of statues:

- Accurate reproduction of existing sculptures
- Scaling in a uniform and in a non-uniform way with a significant level of detail
- Modifications of the final 3D model

Bas-reliefs

Highly detailed capture of bas-reliefs:

- Back draft identification, 3D model editing
- 3D model adaptation to the size of the available material to mill