

## Engineered Perfection Experience the CNC Polygon Turning



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

### ELECTROMAC AUTOMATION

Electromac Automation was promoted in 2014 by a team of professionals with more than 20 years' experience in the machine tool industry. We started as a retrofitting and re-conditioning unit of all types of PLC and CNC Controlled machines. In a short time, we have grown to become one of the producers of designer machine tools in the process building an entire team of engineers and technicians with finely honed skills in the exclusive art of machine building. This team of the 15 skilled personnel committed to producing the best for the customer in our primary asset. In 2019 we have started making CNC Single Pass Honing machines, then in 2022 CNC Polygon Turning machines, now Electromac Automation is in the process of establishing a well-equipped facility for manufacturing CNC Honing, CNC Polygon machines and other Special Purpose Machines (SPM).

#### SMART POLYGON

Model: SP60

(CNC POLYGON TURNING MACHINE)



#### KEY FEATURES

- > CNC Controlled Machine
- > Compact Machine Size and Save Space
- > Spindle Head With Built - in Sleeve & Collet
- > Roller LM Guideways With Extra Wide LM Blocks
- > Sliding Spindle Head With Synchronised Belt Drive
- > High Precision Ball Screws With Nut Moving Transmission
- > Specially Designed High Precision Universal Joint With LM Rail/Block

#### SPECIFICATIONS

> Polygon Profile	: EVEN Number	> Spindle	: A2 - 8 Built in Sleeve
> Max job holding	: Dia 60mm	> Max SPN Speed	: 450 rpm
> Max Across Flat	: 80mm	> Job Clamping	: Collect - A42 & 60 Built in Sleeve
> Min Across Flat	: 3mm	> Chucking cylinder	: PRAGATI - Rotary Chucking Cylinder
> X Axis Stroke	: 100mm	> Control System	: CNC, Fanuc OITF - Plus
> Z Axis Stroke	: 100mm	> Total Power	: 5.5 Kw

#### SMART POLYGON

Model: SPM42 Mini

(CNC POLYGON TURNING MACHINE)

#### SPECIFICATIONS

> Polygon Profile	: EVEN Number
> Max job holding	: Dia 42mm
> Max Across Flat	: 80mm
> Min Across Flat	: 3mm
> X Axis Stroke	: 100mm
> Z Axis Stroke	: 100mm
> Spindle	: A2 - 6 Built in Sleeve
> Max SPN Speed	: 500 rpm
> Job Clamping	: Collect - A42 Built in Sleeve
> Chucking cylinder	: PRAGATI - Rotary Chucking Cylinder
> Control System	: CNC, Fanuc OITF - Plus
> Total Power	: 4 Kw



#### SMART HONING

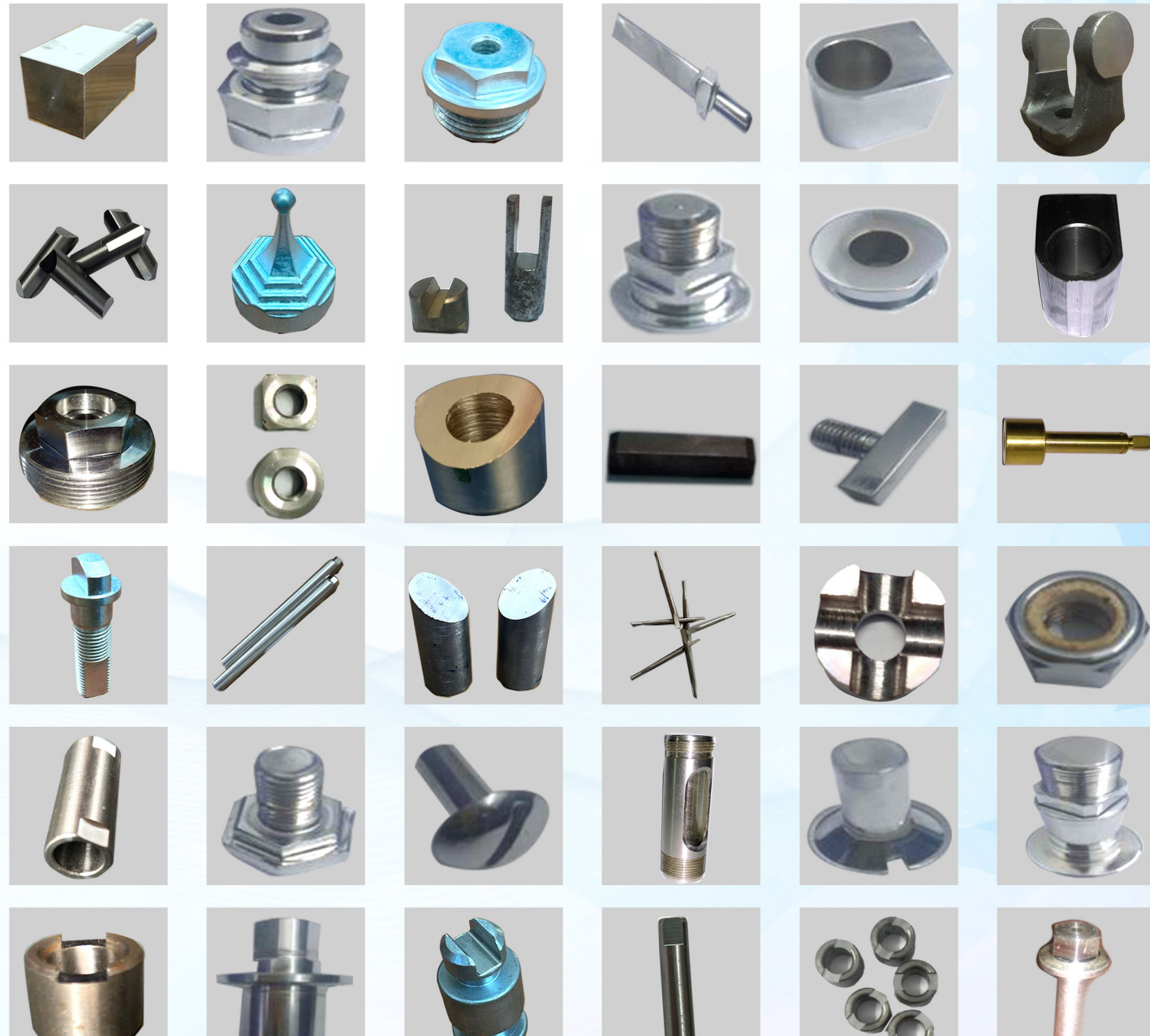
Model: SH600

(CNC SINGLE PASS HONING MACHINE)



- > Two AxiS FANUC CNC controller. Model: OITF Plus
- > CNC Servo controlled vertical axis.
- > PRAGATI index table.
- > Vertical stroke 450mm.
- > Pre-lubed, Ps4 Class spindle bearings.
- > Tr32 Tool holder with collets.
- > Rigid, compact machine base.
- > Auto-lube system.
- > Electrical panel with isolation transformer.
- > Overload interlock to spindle motor.
- > Overload interlock for job wrong loading.
- > Digital gauge interlock for component size checking.
- > Fabricated, Stress relieved machine structure.
- > Pneumatic cylinders with fine pressure regulator to counter balance the head.

### POLYGON COMPONENTS



Manufacture & Serviced by

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