

Technical Data

Legacy-EOS

The Sygma™ Legacy EOS machines are designed to offer high precision , robust and reliable milling, thread milling and a variety of drilling machining performances.

The Legacy EOS is available in 3 versions. EOS 110 / EOS 222/EOS 390



TECHNICAL FEATURES EOS

	110	220	390
X-Travel	110 mm	390 mm	222 mm
Y-Travel	110 mm	390 mm	222 mm
Z-travel	300 mm	460 mm	460 mm
Control box	YES	YES	YES
Operational weight	215 kg	270 kg	270 kg
Power output spindle motor	4.7 kW	4.7 kW	4.7 kW
Toolholder	ISO 40	ISO 40	ISO 40
Milling motor	Servo	Servo	Servo



Key Features

- Control panel in heavy duty case (touch screen)
- Milling motor RPM control for optimum
- User-friendly programming software
- End of stroke setting
- Very accurate and repeatable machining
- Emergency switch
- Incorporated feed motor configuration for impact protection.
- Compact design for confined space applications
- High precision guide rails and ball screw spindles for precise movements

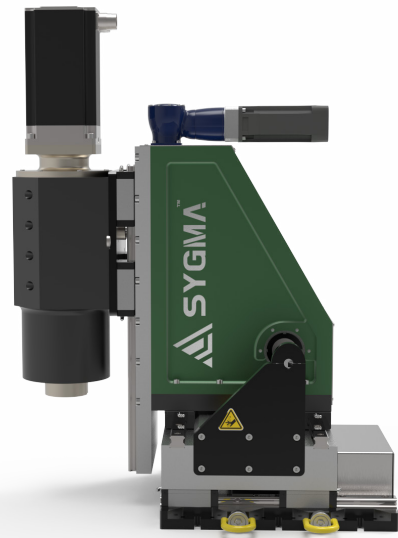
Optional features

- ⊙ Air trough spindle
- ⊙ Cooling liquid trough spindle



Adapted SYGMA™ spindle featuring

- ⊙ Reduced vibration
- ⊙ High load bearing configuration for HD use
- ⊙ User-friendly programming software
- ⊙ Fast and easy tool exchange
- ⊙ precise refit of tooling



Application examples

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|---|--|
| ⊙ Rework on damaged threads | ⊙ Studs on rotating equipment |
| ⊙ Create bore holes | ⊙ Reactor studs |
| ⊙ Create threaded holes | ⊙ Threaded holes on reactors / heat exchangers / pump casings / turbines |
| ⊙ Precise tolerances in depth and diameter | ⊙ Slot holes |
| ⊙ Repeatable accurate machining operations | ⊙ Key ways |
| ⊙ Milling / drilling / thread milling OD and ID threads / indexed drilling / orbital boring | ⊙ Pocket holes |