



MECAEASY

A milling machine for every one



Other products of the CNC MILLING PRODUCT RANGE



MECAPLUS
High productivity
3 axis CNC milling machine



MECAPLUS-HP
High performance
3 axis CNC milling machine



MECAPRO
3 axis CNC milling machine



TRIAX Mobile
Milling center
for precision 3D

STRENGTHS

- Rapid, fitted with a mono-block frame and a rigidified gantry, equipped with powerful spindles, MECAEASY will meet your most demanding production requirements in 2D and in 3D.
- The simplicity of use.
- Quality and performances adapted to your production.
- Machining of sheet plates in the fields of advertising and POP, plastic processing, aluminium processing, rapid prototyping...
- A range of 5 sizes for versatility : Equipment with fixed table, working travels from 500 x 700 mm to 1500 x 3000 mm.
- Innovative and efficient vacuum tables with turbine technology or vacuum pumps.
- Numerical controls CN7000 with touch color screen and motorization by brushless servomotors.
- Quality kinematics integrating industrial components delivered by the world leaders in their field, mounted on stabilized and welded steel frames.
- Z axis with 350 mm as option for 3D applications.
- Many options : microlubrication, automatic tool changer, high frequency spindles, fourth axis...



Listening



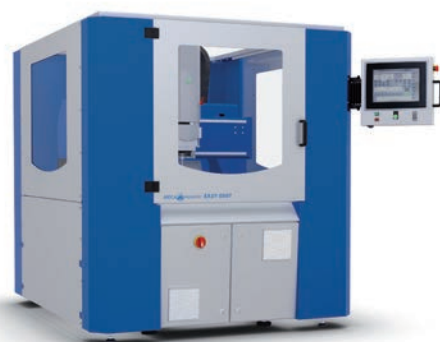
Custom-made



Multi-purpose



100% integrated



MECAEASY

The 3 axis CNC milling machine for every one

CHARACTERISTICS

- **Structure:** high inertia steel welded frame and gantry, fixed table.
- **Guidance:** grinded steel rails and preloaded ball bearings.
- **Transmission:** high precision ball screw on all axes.
- **Motorisation:** AC Brushless servo motors

| FEATURES | ES 0507 | ES 0710 | ES 1007 | ES 1510 | ES 3015 |
|---|--|---------|---------|---------|---------|
| X-axis travel in mm | 520 | 720 | 1050 | 1550 | 3050 |
| Y-axis travel in mm | 750 | 1020 | 750 | 1020 | 1520 |
| Z-axis travel in mm | 200/350 | 200/350 | 200/350 | 200/350 | 200/350 |
| Maximum material width | 900 | 1250 | 900 | 1250 | 1650 |
| Passage under gantry | 210/360 | 210/360 | 210/360 | 210/360 | 210/360 |
| Maximum speed in mm/sec | 300 | 300 | 300 | 300 | 300 |
| Resolution in mm | 0,0015 | 0,0015 | 0,0015 | 0,0015 | 0,0015 |
| Repeatability in mm at 20°C | ± 0,025 | ± 0,025 | ± 0,025 | ± 0,025 | ± 0,05 |
| Numerical control | CN 7000 | CN 7000 | CN 7000 | CN 7000 | CN 7000 |
| MHI Machine human interface | 15 inches Colour touch screen | | | | |
| OPTIONS | | | | | |
| Spindle 2,2 kW – 24000 rpm -Manual tools change | ✓ | ✓ | ✓ | ✓ | - |
| Spindle 3,8 kW – 24000 rpm - Automatic tools change ISO 30 | ✓ | ✓ | ✓ | ✓ | ✓ |
| Spindle 4 kW – 50000 rpm – Automatic tools change HSK E25 | ✓ | ✓ | ✓ | ✓ | ✓ |
| Spindle 3,4 kW – 24000 rpm - Manual tools change | ✓ | ✓ | ✓ | ✓ | ✓ |
| Automatic tool change with a static 6-tool shop | ✓ | ✓ | ✓ | ✓ | ✓ |
| Tool shop cover | ✓ | ✓ | ✓ | ✓ | ✓ |
| Tool length measuring sensor | ✓ | ✓ | ✓ | ✓ | ✓ |
| Vacuum table 2.2 kW turbine(s), with T grooves | 1 | 1 | 1 | 1 - 2 | 2 |
| Vacuum table 7.5 kW turbine(s), with T grooves | - | - | - | 1 | 1 - 2 |
| Vacuum box with turbine(s) 7,5 KW with box | - | - | 1 | 1 | 1 |
| Vacuum pump table (60 m³/h) | 1 | 1 | - | - | - |
| Vacuum pump table (140 m³/h) | 1 | 1 | 1 | 1 | - |
| Vacuum pump table (250 m³/h) | - | - | - | 1 | 1 |
| Automatic suction nozzle | ✓ | ✓ | ✓ | ✓ | ✓ |
| Tool coolant system | ✓ | ✓ | ✓ | ✓ | ✓ |
| Professional chip suction 2.2 kW / 4 kW | ✓ | ✓ | ✓ | ✓ | ✓ |
| OPTISCOUT / GTK (vision registration / compensation system by camera) | - | - | - | ✓ | ✓ |
| Multi tool cutting head for fixed or oscillating tangential knives and bending roll | - | - | - | ✓ | ✓ |
| 4th axis horizontal divider | ✓ | ✓ | ✓ | ✓ | ✓ |
| Safety enclosure | ✓ | ✓ | ✓ | ✓ | - |
| OVERALL DIMENSIONS (without enclosure) | | | | | |
| Overall length in mm | 1970 | 2210 | 2520 | 2990 | 4400 |
| Overall width in mm | 1375 | 1750 | 1375 | 1750 | 2200 |
| Overall height in mm | 2100 | 2100 | 2100 | 2100 | 2100 |
| Average weight in kg | 1400 | 1500 | 1700 | 2000 | 2800 |
| SUPPLIES | | | | | |
| Air supply | Pressure : 6 bar / Flow 6 to 40 m³/h | | | | |
| Average electric power | 400 VAC three-phases 50 Hz + ground + neutral - 15 to 40 A | | | | |