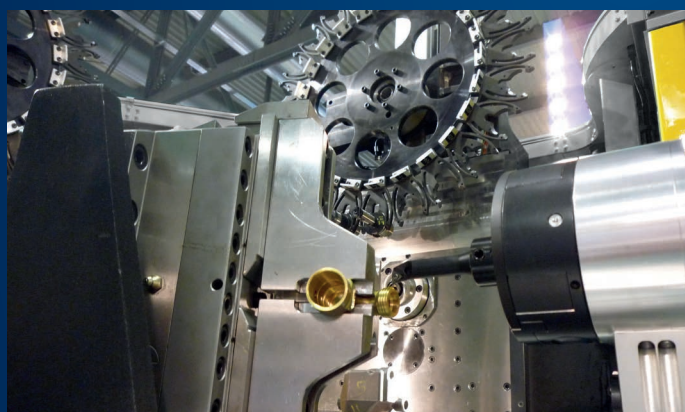
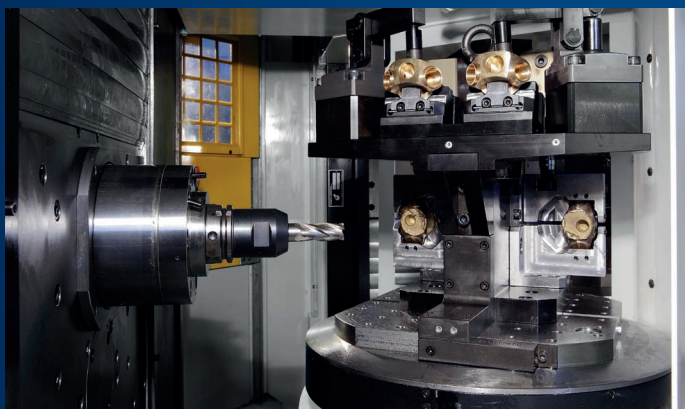
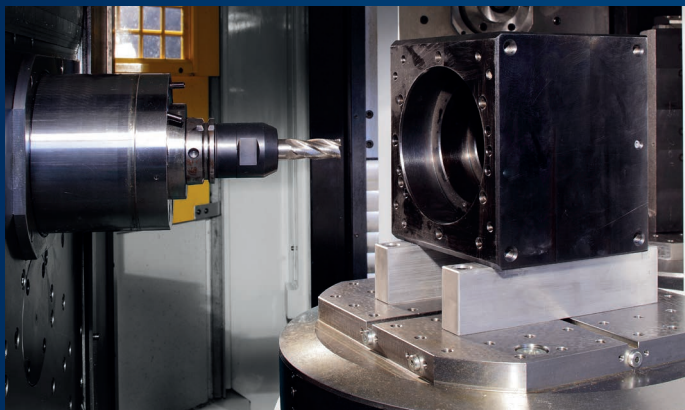
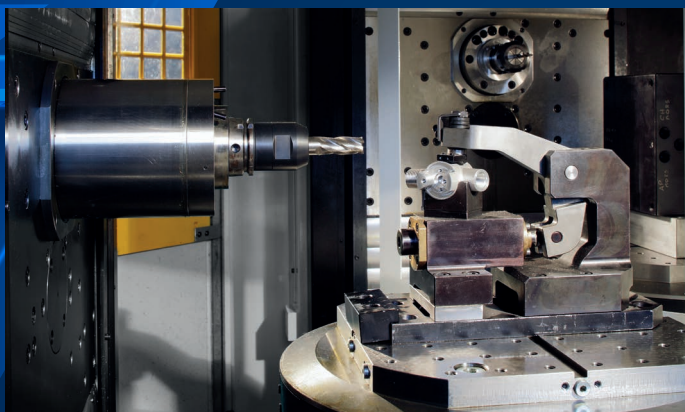


TRI-CENTER EVO



4 OR 5-AXIS
ADVANCED
FLEXIBLE
MANUFACTURING
SYSTEM

| TECHNICAL DATA | TC-320 | TC-500 |
|---------------------------------|-----------------------------------|-----------------------------------|
| Dimensions (mm) | 10,000 x 2,500 x 3,200 | 11,000 x 3,500 x 3,500 |
| Weight (kg) | 25,000 | 32,000 |
| Travel (X, Y, Z) (mm) | 300 x 450 x 350 | 500 x 650 x 650 |
| Swing (mm) | Ø 450 x 550 | Ø 850 x 750 |
| Pallet (mm) | 320 | 500 |
| Max. Load (kg) | 150 | 300 |
| Rapid (m/min) | 40 | 40 |
| Acceleration on Axes (g) | 0.5 g, 750 kg thrust | 0.5 g, 750 kg thrust |
| Accuracy | 0.005 mm linear, 5 arcsec angular | 0.005 mm linear, 5 arcsec angular |
| Spindle Speed (RPM) | 10,000 | 10,000 |
| Spindle Power (kW) | 23 | 23 |
| Spindle Torque (Nm) | 60 | 60 |
| Tools Number, Type | 3 x 24, HSK63A | 3 x 24, HSK63A |
| Chip-to-Chip Time (s) | 4.5 | 4.5 |
| Tool Max. Weight (kg) | 8 | 8 |
| Tool Max. Size (Ø x mm) | Ø 160 x 250 | Ø 160 x 250 |
| Installed Electrical Power (kW) | 120 | 150 |
| Coolant | Water-based, 4 and 40 bar | Water-based, 4 and 40 bar |
| PLC/CNC | Siemens or Fanuc | Siemens or Fanuc |



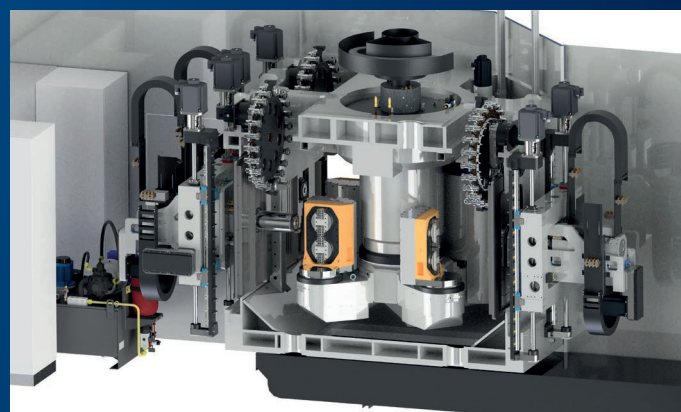
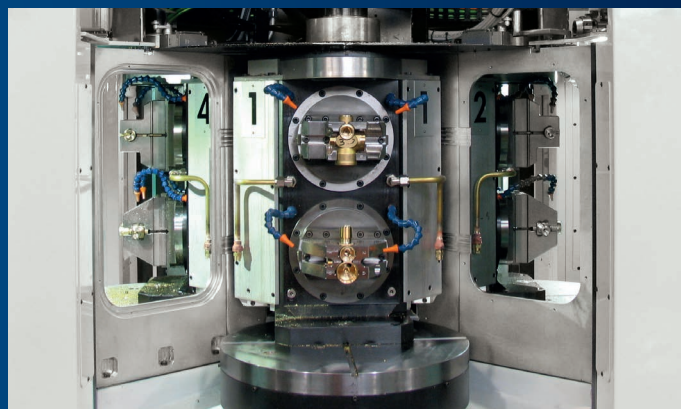
ADVANCED FLEXIBLE MANUFACTURING SYSTEM

The **Buffoli Tri-Center EVO** integrates cutting-edge technology, featuring **three high-speed, high-rigidity electro spindles** and an innovative **suspended table design**, offering **4 or 5-axis** machining capabilities. This configuration enhances machining accuracy, accessibility, and chip evacuation, while reducing cycle times, minimizing changeover times, and optimizing floor space.

Designed for **low to mid-volume production**, it excels in machining **complex geometries** with **exceptional flexibility**.

The rigid, high-speed spindles are paired with **24-tool magazines** and an efficient, **armless tool-change system**. The 4 or 5-axis capabilities enable the production of intricate geometries in a single setup or double-clamping mode, reducing setup times and enhancing precision. Hydraulic fixtures and self-centering chucks ensure rapid, secure workpiece clamping, maximizing uptime and flexibility.

With **integrated turnkey solutions** such as automation and inspection systems, the Tri-Center EVO is the ultimate solution for manufacturers aiming to optimize low to mid-volume production with a focus on flexibility, efficiency, and advanced machining technologies.

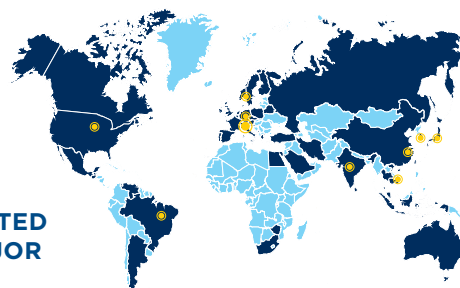


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**WE ARE
RAPRESENTED
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MARKETS**