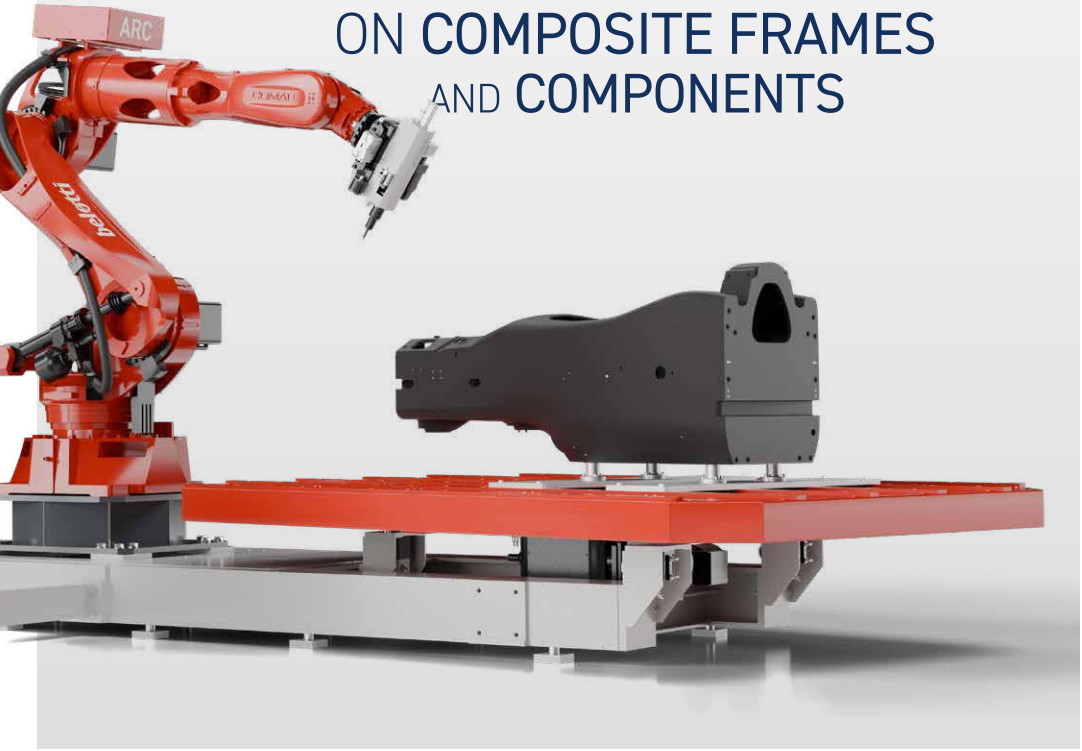
EN

ARC | AUTOMATIC RIVETING CELL

THE GAME-CHANGING SOLUTION TO AUTOMATE SMALL PARTS APPLICATION ON COMPOSITE FRAMES AND COMPONENTS



In partnership with **cosberg.com**

COSBERG innovaction

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ARC | AUTOMATIC RIVETING CELL

Belotti ARC is the groundbreaking robotic cell featuring a patent-pending riveting head designed for the rapid, automated application of the entire range of Time-Sert® inserts and rivets of different diameters on composite frames and components.

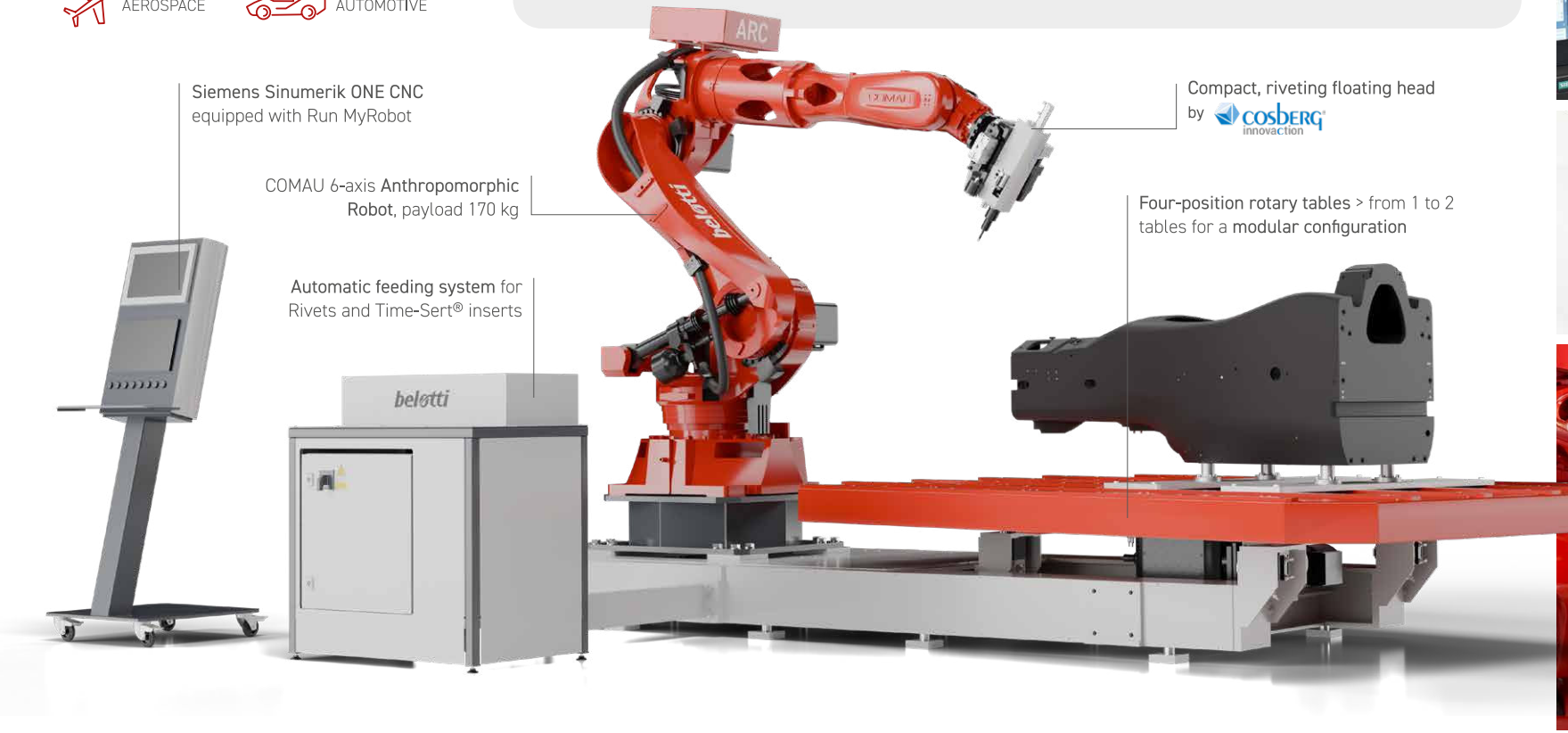
A first-on-the-market technology developed to manage two different processes - pulling & screwing - with a single device.

MAIN APPLICATION INDUSTRIES

AEROSPACE AUTOMOTIVE

KEY ADVANTAGES

- **One Head, Multiple Inserts**
  Rivets and Time-Sert® inserts of different diameters are managed automatically by a single device without head change.
- **Maximum Flexibility & Reachability**
  The anthropomorphic robot emulates the flexibility of the human wrist, enabling access to even the most challenging areas.
- **Easy & Intuitive Programming**
  ISO programming language for seamless operation.
- **Quality without Compromise**
  The advanced, fully electronic system enables precise control of all parameters.
- **Precision under Control**
  Real-time process tracking and feedback for unmatched accuracy.
- **Redefining Productivity**
  Faster, more flexible, and cost-effective fastening technology.
- **Engineered for Excellence**
  Designed for high-performance industries like Automotive and Aerospace.



TECHNICAL FEATURES | SINGLE ROTARY TABLE MODEL

Riveting head	Patent-pending by **Cosberg**
Robot	COMAU N170 3.0
Table dimensions	3 m by 2 m | 4 positions (0°, 90°, 180°, 270°)
Tool	Automatic insertion tool (30 kN – 30 Nm)
NC	Siemens Sinumerik ONE
Rivet nut type	M5 – M6 – M8
Time-Sert® type	M6 – M8 – M10 – M12
Accuracy	+/- 0.1 mm
Storage capacity	200 inserts per type – 15 types of different inserts
Optional features	• Double rotary table • Automatic tool change • 3D measuring probe with radio transmission

WATCH
THE VIDEO

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