

MILL E 700 U

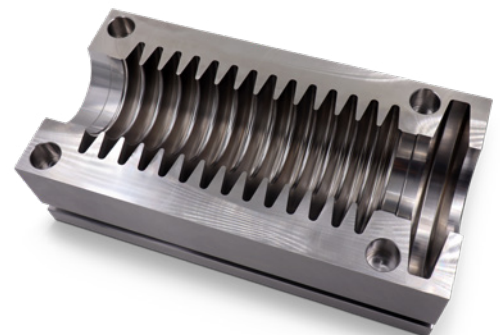
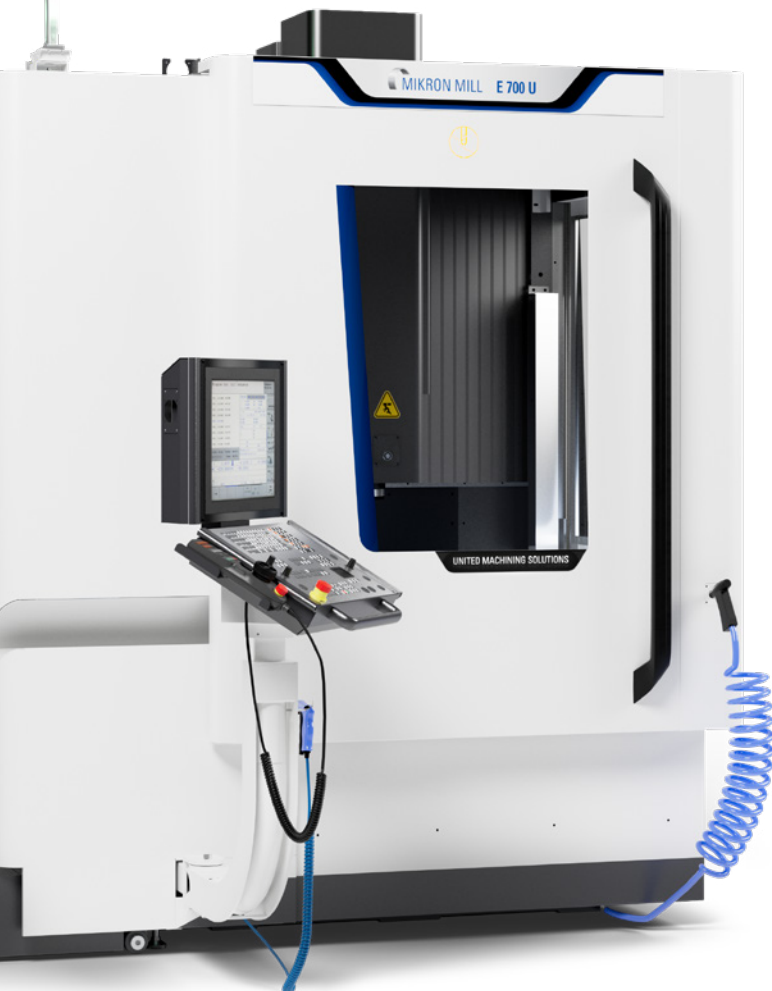
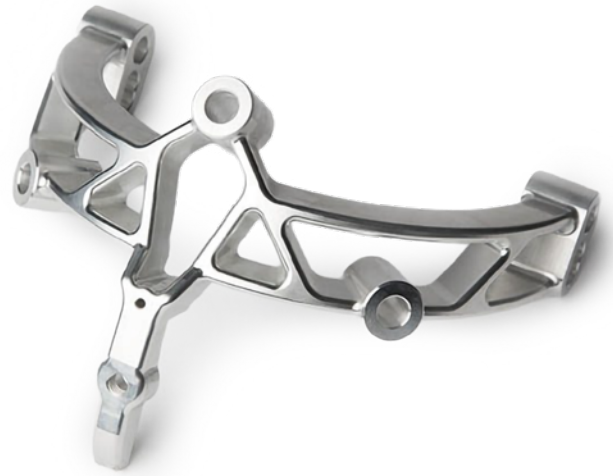


 **MIKRON MILL**

A member of UNITED MACHINING SOLUTIONS

DISCOVER MIKRON MILL'S DYNAMIC PRECISION

The MIKRON MILL E 700 U redefines high-efficiency milling. Manufactured in Biel/Bienne, Switzerland, it combines renowned Swiss manufacturing excellence with advanced automation capabilities and exceptional process versatility, delivering performance that goes beyond the standard. The machine's robust construction and thoughtful design ensure easy accessibility, even in automated configurations. This allows full access and clear visibility during operation, setup, and maintenance.



Why to choose the MILL E 700 U?

1. READY FOR 24/7 PRODUCTION

Fully compatible with any automation system like pallet changers, part loading systems or robotic cells solutions.

2. DIRECT TORQUE MOTORS

The rotary and tilting table axis are driven by a direct torque motor, eliminating mechanical transmission for maximum precision and dynamics.

3. PRECISION AT THE PUSH OF A BUTTON

Automated Machine Calibration (AMC) recalibrates your 5-axis machine in few minutes — not hours. A single button recovers full machine kinematic, eliminates human error in data management, and keeps your machine ready for the next task every time.

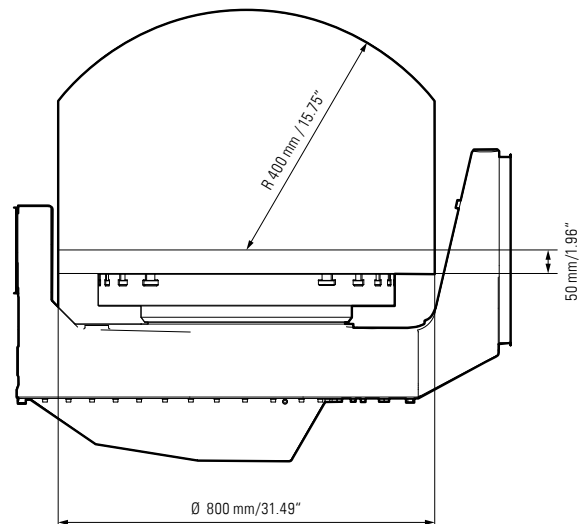
4. SWISS HEART, SWISS POWER

Powered by the well known and high-performance STEP TEC spindle. Delivering 20,000 rpm, HSK-A63, 120 Nm torque and 36 kW, for outstanding material removal rates and surface finish across a wide range of materials.



MAIN SPECIFICATIONS

Travel axis (X, Y, Z)	700 x 600 x 500 mm (27.56 x 23.62 x 19.68 in)
Swiveling (B) axis	-65/+120°
Rotary (C) axis	n x 360°
Axis feed rate (X,Y,Z)	30 m/min (1.181 in/min)
Rapid traverse (B, C)	32, 112 m-1
Maximum table load	450 kg (992.08 lbs)
Spindle	HSK-A63/20,000 rpm / 36 kW / 120 Nm
Through-Spindle Coolant (TSC)	600L / 40bar (158.5gal / 580psi)
Tool magazine	Number of tools: 60 / 170
Automation	Pallet magazine 7 Dynafix or 5 Delphin System 3R WPT1+ / Transformer 6-axis
Control	Heidenhain TNC 640





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