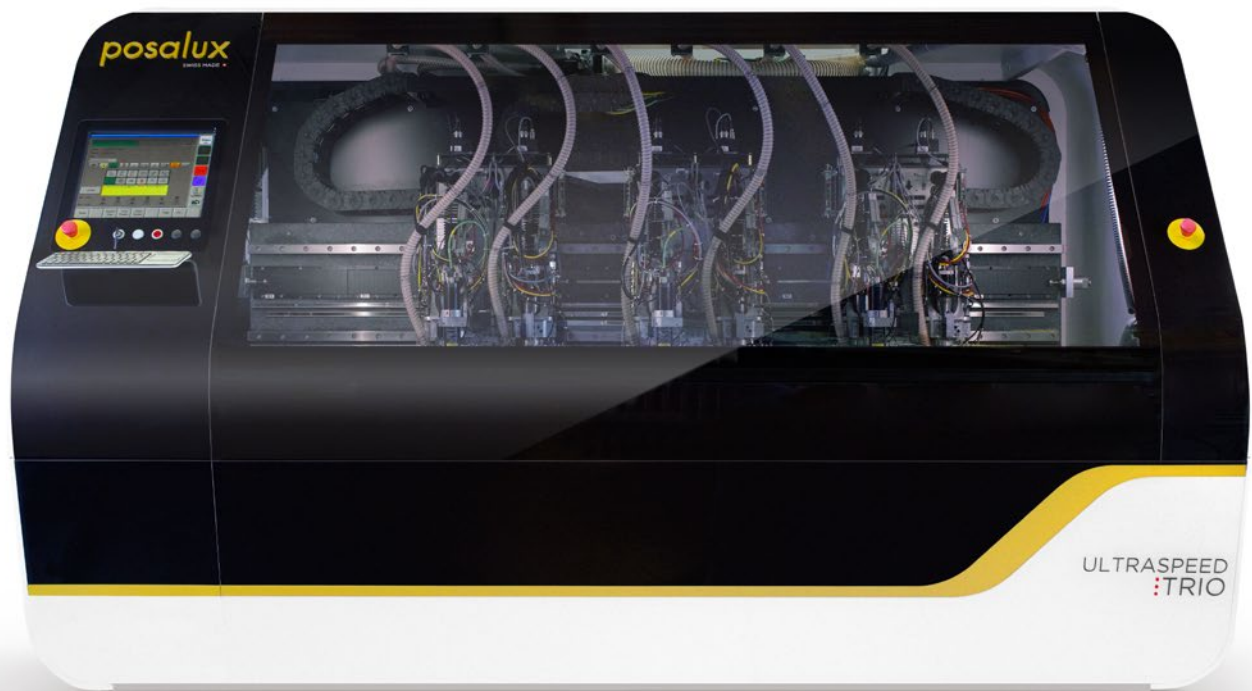


posalux[®]
SWISS MADE 



:TRIO

The innovative solution for PCB drilling and routing

TRIO

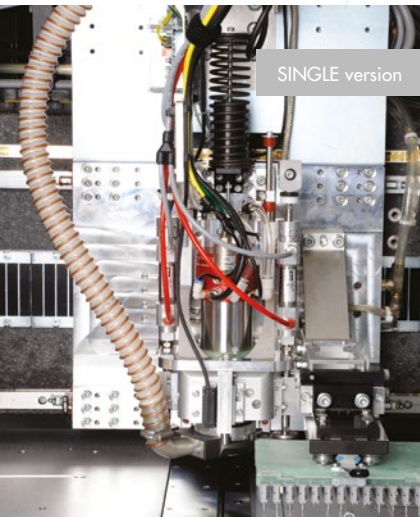
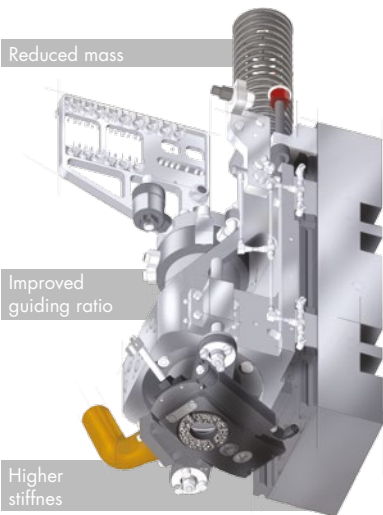
THE BEST CHOICE FOR
SMALL AND MEDIUM
SERIES PRODUCTION



- New generation of three stations machine with innovative and ergonomic design
- SINGLE version with one machining unit per station
- COMBI version with two different and alternating machining units per station
- DUAL version with two identical machining units per station, double the productivity
- XY individual technology – Each station has its own XY axis
- Choice from an extensive range of drilling, routing or combination spindles
- Posalux CNC3000 – Powerful digital servo drives for rigid axis control
- Advanced concept of Z-axis unit – Increased stiffness, reduced mass
- New generation of multi-inserts pressure pad (IPF3) for drilling and routing
- Second measuring system for a perfect surface detection in controlled depth routing
- Standard and customized clamping systems
- CCD camera for registration
- Automation – Individual Loader (IL) with 9 or 18 levels

Accuracy, flexibility and reliability

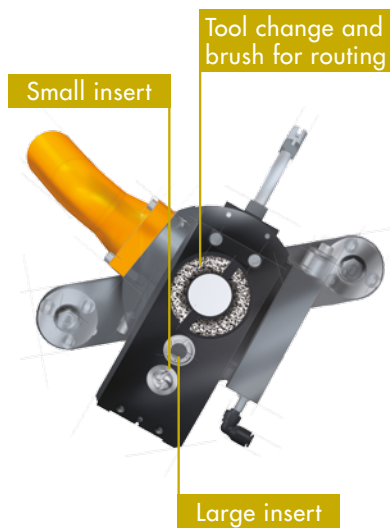
Advanced concept of Z-axis



IPF3 Drilling and routing

Interchangeable Pressure Foot with 3 positions (IPF3):

- New concept designed for drilling and routing
- Routing brush – Large drilling insert – Small drilling insert
- Air gap function: air flow trough inserts to avoid any scratching of entry foil

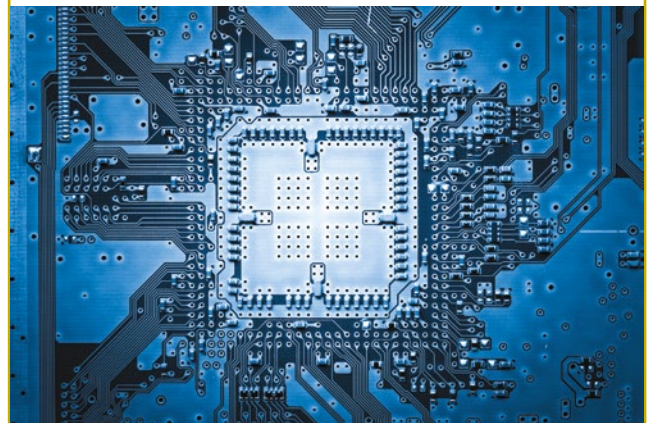


Machine characteristics

- 3 stations
- X, Y and Z axes with linear motor drives
- Workpiece format 635 x 724 mm (25" x 28.5")
- Workpiece format (XY) 610 x 724 mm (24" x 28.5")
- Tool management system with cassette, Posalux patented chain or Asian Tool Change (ATC)
- Software based on QNX with intuitive MMI
- Spindle speed range from 5'000 up to 350'000 rpm
- Axes acceleration up to 4g
- Drilling accuracy: $\pm 15 \mu\text{m}$ ($\pm 0.6 \text{ mil}''$)
- Drilling accuracy XY technology: $\pm 12 \mu\text{m}$ ($\pm 0.5 \text{ mil}''$)
- Blind hole drilling by contact drill: $< \pm 10 \mu\text{m}$ ($< \pm 0.4 \text{ mil}''$)
- Weight: approx. 8'500 kg

Applications

- PCB drilling and routing
- All controlled depth routing processes
- Machining to printed targets (CCD camera)
- IMS machining
- Machining of non-ferrous materials like aluminum, brass, bronze, polymers, etc.
- Drilling and routing of test fixtures
- Medical industry
- Aerospace industry



XY individual technology – Why?

- Accuracy $\pm 12 \mu\text{m}$
- Alignments of drilled/routed images to printed targets with independent adjustment per station

Custom solutions and support

X and Y axes driven individually



Release 2001

ULTRASPEED

High tech micro-drilling and routing

Founded in 1943, Posalux is a leading manufacturer of micro-technology machines intended for mass production. From our headquarters in Biel, Switzerland, we engineer and produce world-renowned system solutions.

Our clients are distinguished companies leading the automotive, electronic, watch, and medical industries. Thanks to our global network of Posalux branches and agents, we are able to provide reliable services and support to our customers worldwide.

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