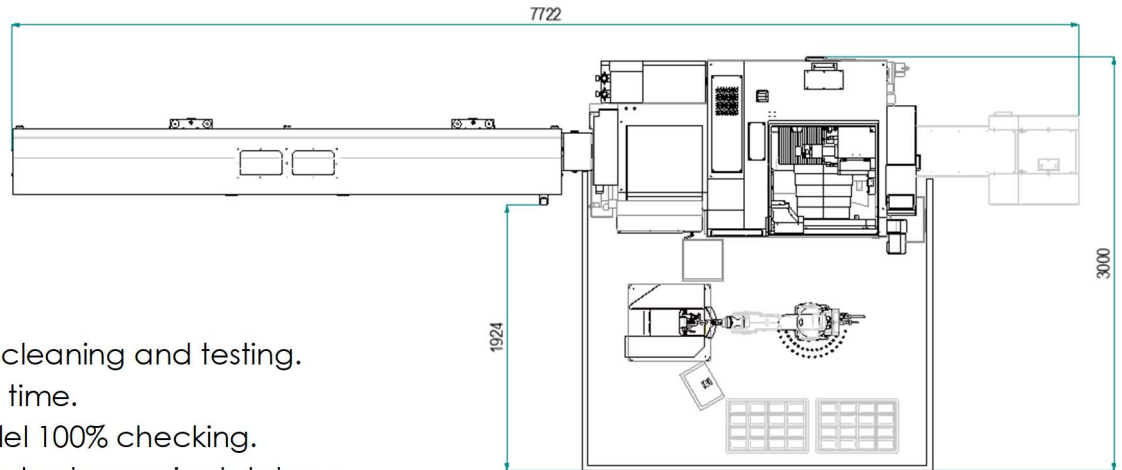


Bone-screw manufacturing cell



Product benefits

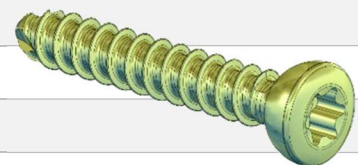
- Manufacturing, cleaning and testing.
- Very short cycle time.
- Main time parallel 100% checking.
- Measurement data storage in database.
- One-piece flow option available.
- Automatic tool change of the backside machining tools.
- Less scrap thanks to measurement result-based adjustment of tool correction data.
- Longer tool life thanks to measurement result-based tool wear control.

Product characteristic

Feature	Value
Machine footprint	7.7m x 3.0m
Smallest screw type	Locking screw 2.4 x 8
Largest screw type	Cortex screw 5.0 x 100
Autonomy (usable capacity)	16h (24h x [η]0.85 = 20.4h/d)
Inspection features	Drive, locking thread, shank thread, self-cutting, tip
Cleaning agent	Dry steam

Example of performance

Feature	Value
Reference part (performance data)	Cortex screw 4.5 x 30
Raw material	Ø8h6 x 3000 - Ti-6AL4V-ELI
Drive	ISR25
Cycle time	60s
Annual capacity	≥ 360'000 PC/a *
Manufacturing costs	3.20 CHF/PC *
Material cost share	1.50 CHF/PC *
Amortization term	5 Jahre *



* Data from an existing example. The underlying settings must be specified anew for each application.