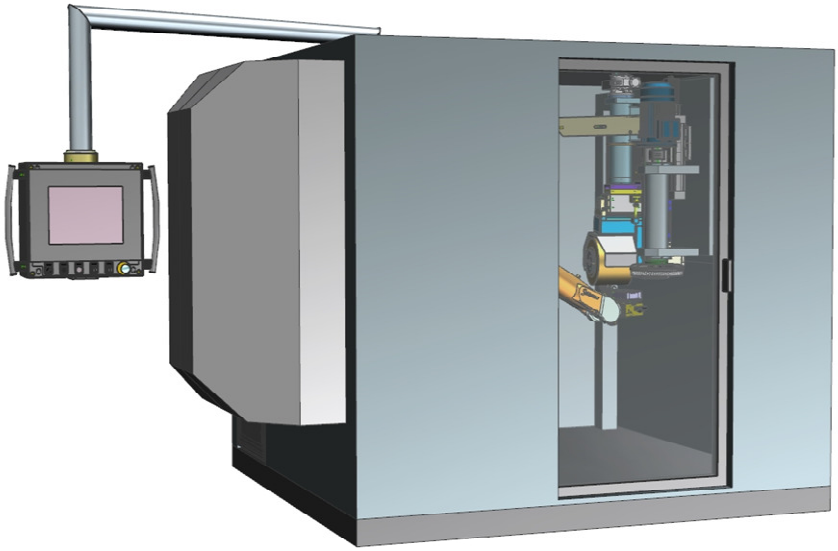
ROBOFLAKKO - Cell „WHITELINE“ RFZ



Technical information ROBOFLAKKO- Cell “WHITELINE” RFZ	
Length	3000 mm
Width	2300 mm
Height	2220 mm
Weight	3.2 t
FLAKKOTIER-Power	Plan-FLAKKO 2.2 kW Cicular-FLAKKO 1.8 kW
Connection-Power	11 kW
FLAKKO units	1 Plan-FLAKKO 1 Circular-FLAKKO
Tools per unit	1
FLAKKO tool diameter max.	250 mm
Processing height	Max 200 mm
Loading and unloading method	Magazines or workpiece carriers
Processing method	Dry machining or emulsion, oil and surfactant agents

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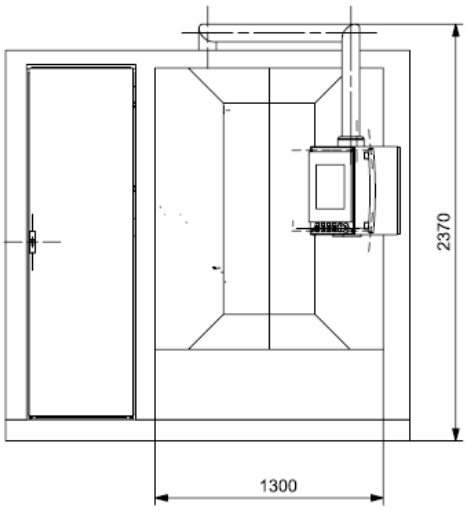
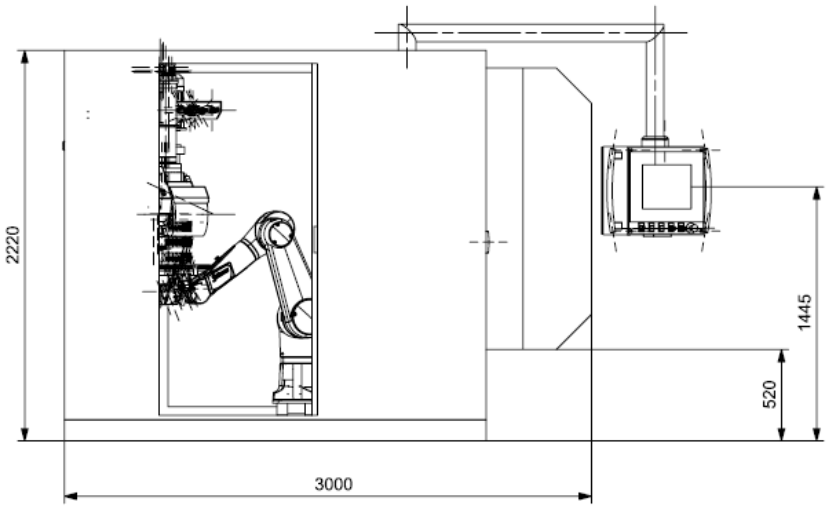
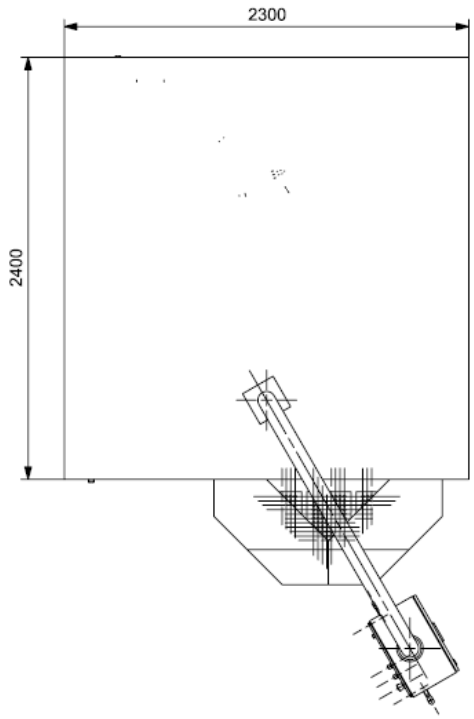
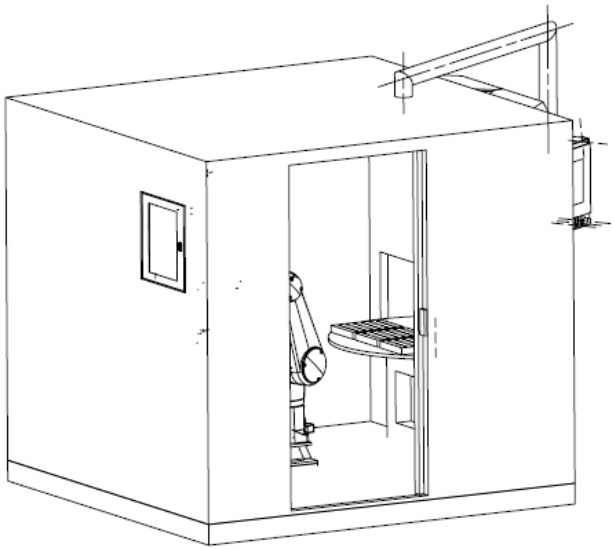
Layout ROBOFLAKKO









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Typical applications:
For precision cutting edge preparation and mechanical surface finishing with Flat FLAKKO, Circular FLAKKO and **6-axis robot**. Suitable FLAKKOTING workpieces:

- Shank-type tools such as end mills, drilling tools, reamers, etc.
- Deep hole drills up to length of 600 mm
- 2D and 3D indexable inserts
- Cylindrical milling cutters up to weight of 10 kg
- Broaching tools up to length of 500 mm
- Circular saws up to diameter of 600 mm

Construction
The very latest generation of robot processing machines from
PROFIN PROGRESSIVE FINISH AG incorporates many customer experiences and requests. In addition to the proven IPC control system and PHÖNIX software, the machinery is also equipped with a sophisticated and extremely accurate Stäubli robot. The ROBO-FLAKKO machine guarantees advanced manufacturing technology with ultra-precise repetitive accuracy.

Delivery time: 6 to 8 months

Price segment: Available on request

Customer benefits:

- Tools or precision parts are processed in the ROBO-FLAKKO machining cell either as single, batch size 1 workpieces or as series workpieces using the Flat FLAKKO and Circular FLAKKO machining technologies.
- Barcodes or pallet data can be read into the control system. Different lengths are recognised by the workpiece length measuring system and automatically taken into account in the robot machining program.
- Wear of the FLAKKOTING tools is detected by the AES measuring system and compensated fully automatically in the machining program by means of control algorithms.

Customised modifications *(examples)*

- The size and layout partitioning of the workpiece pallets can be adapted to accommodate customer requirements.
- The robot program can be integrated in the ROBOFLAKKO control system to accommodate the removal and handover of workpieces to a transfer system for incorporation in a production line.

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