

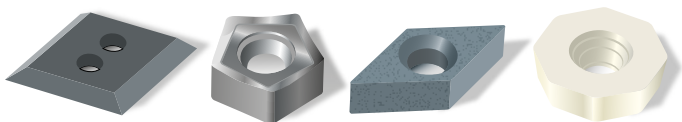
Leo Peri

Maximum productivity in a small space

Available with the chamfer grinding option for Leo Peri



High-precision 4-axis grinding center for machining the periphery and K-Lands on indexable inserts



AGATHON

The Leo Peri concept

Basic machine

- Compact design with excellent accessibility and roof-top mounting for peripherals
- Dynamic, fully integrated 3-axis linear handling
- Support for 4 up to 6 pallets
- Direct drives with optimized performance for the X, Y and C axes
- In-process dressing suitable for grinding a wide range of materials
- Compact, fully enclosed grinding area
- Grinding wheel diameter 250 mm
- Tools, operation and programming are largely compatible with the other Agathon machines

Options (selection)

- Chamfer grinding of simple ISO inserts with a K-Land of more than 15°
- Graphical creation of programs for ISO indexable inserts (AGP-Iso)
- 2D force measurement system for normal and tangential forces for the process definition, optimization and control
- Vision system for parts alignment and spot recognition
- Extensive possibilities for Connectivity and Data Management



The outstanding advantages of the Leo Peri

Highest productivity per m²

- Very small footprint of approx. 4 m²
- Access required from 3 sides only; alternative machine installations (flush against wall, back to back)
- Prepared for rooftop mounting of all peripherals
- Full possibilities to integrate fire extinguishing system
- All connections of the machine are centralized

Low cost per workpiece

- High removal rate per m² floor space
- Short transfers due to agile handling and in-process dressing
- Standardized, compatible Agathon tools
- Fast product change due to off-line programming and graphic simulation
- Reduced energy requirements through consistent Eco-design
- Low-maintenance components

Maximum utilization

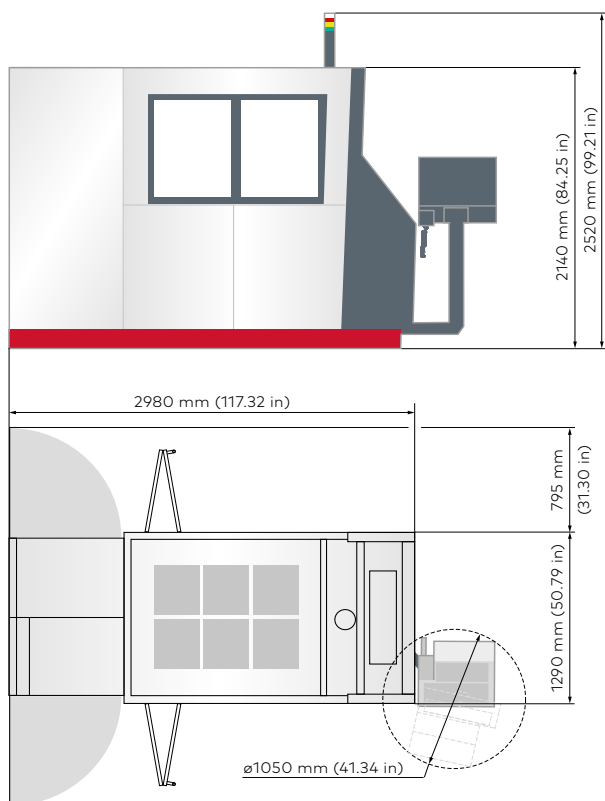
- State-of-the-art, low-maintenance drives
- Short changeover/set-up times
- Designed and manufactured in Switzerland
- Fast, competent and efficient teleservice and on-site field service

Ease of use

- Excellent visibility and accessibility thanks to ergonomic design
- Consistent Agathon operating philosophy and software
- Unique, domain-specific programming language for indexable inserts
- Optional software for easy creation of programs for ISO indexable inserts (AGP-Iso)
- Simple re-teach
- Easy to clean due to a compact, fully enclosed grinding area
- Easy to maintain due to excellent accessibility
- Comprehensive training program for programming, operation and maintenance



The Leo Peri at a glance



Technical Data Leo Peri

Number of pallets	max. 6
Grinding cup Ø	250 mm / 280 mm
Dimensions (WxDxH)	1.29 m x 2.98 m x 2.14 m (with lamp 2.52 m)
Working height	950 mm
Weight	3099 kg
Swiveling range of C axis	-45° (-75°) to +36°
OD IC	max. 35 mm min. 3.96 mm
Workpiece - Clamping dist.	23.5 mm
Materials	Carbide, Cermet, Ceramics, CBN, PCD



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