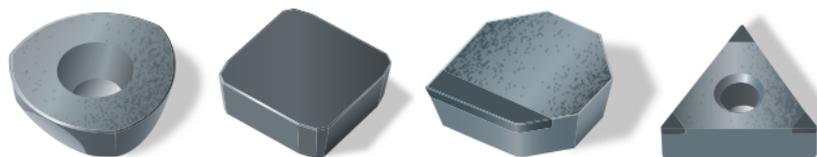


Dom Plus

High flexibility and production autonomy



High-precision 4-axis grinding center for the machining of indexable inserts on the periphery with two K-Lands through re-clamping



AGATHON

The Dom Plus concept

Basic machine

- Pallet storage system with 4 drawers for 8 up to 12 trays
- Direct drives with optimized performance for the X, Y and C axes
- Compact, fully enclosed grinding area
- Grinding wheel diameter 350 mm
- Tools, operation and programming are largely compatible with the other Agathon machines

Options (selection)

- 180° rotating loading gripper for flexible handling processes and for grinding a second chamfer
- In-process or external dressing process possible
- Vision system for parts alignment and spot recognition
- 2D force measurement system for normal and tangential forces for the process definition, optimization and control
- Graphical creation of programs for ISO indexable inserts (AGP-Iso)
- Extensive possibilities for Connectivity and Data Management



The outstanding advantages of the Dom Plus

High autonomy and flexibility

- Clean design with excellent visibility and rooftop mounting for peripherals
- Standard with tray storage system with 4 drawers and 2 to 3 trays per drawer
- Linear robot capable of reaching all trays on a drawer simultaneously
- High-resolution vision system
- High process stability

Low cost per workpiece

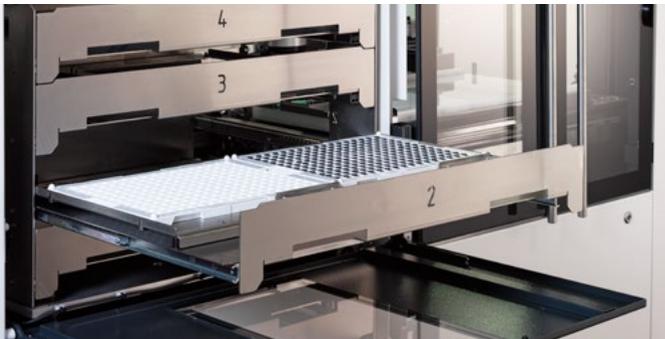
- Short transfers due to agile handling and internal dressing
- Standardized, compatible Agathon tools
- Fast product change due to offline programming and graphic simulation
- Reduced energy requirements through consistent Eco-Design
- Low-maintenance components

Maximum utilization

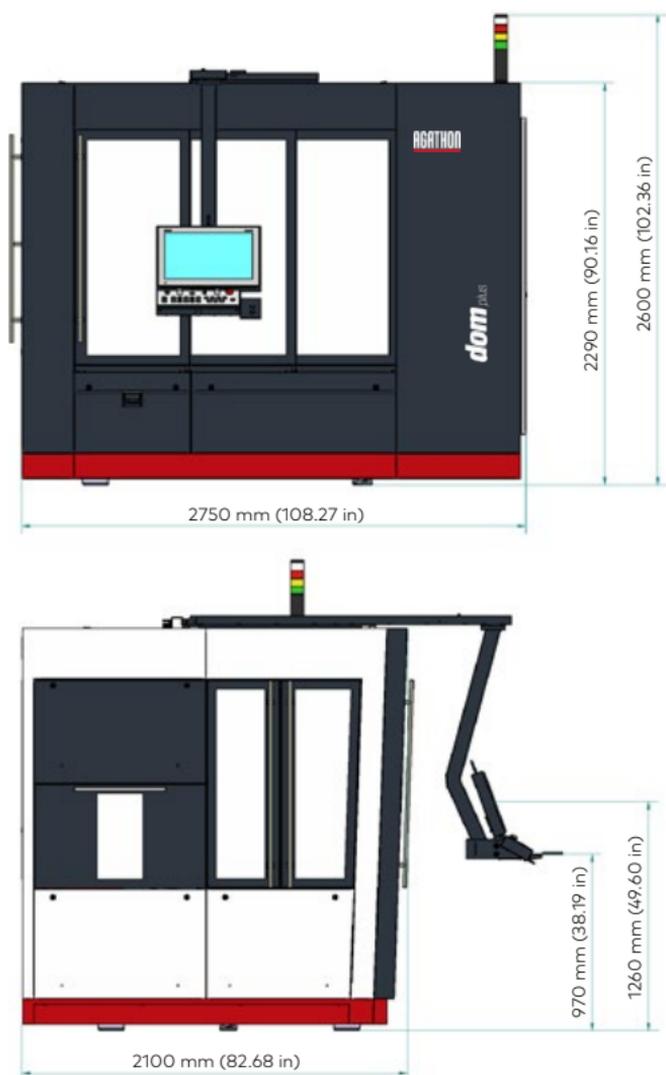
- State-of-the-art, low-maintenance drives
- Short changeover/set-up times
- Designed and manufactured in Switzerland
- Fast, competent and efficient teleservice and on-site field service

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
- Simple re-teach
- Easy to clean due to a compact, fully enclosed grinding area
- Easy to maintain
- Comprehensive training program for programming, operation and maintenance



The Dom Plus at a glance



Technical Data Dom Plus

Number of pallets	8 (12)
Grinding cup Ø	350 mm
Dimensions (WxDxH)	2.75 m x 2.10 m x 2.29 m (with lamp 2.60 m)
Working height	950 mm
Weight	5350 kg
Swiveling range of C axis	-90° to +45°
OD IC	max. 60 mm min. 3.96 mm
Workpiece - Clamping dist.	23.5 mm
Materials	Carbide, Cermet, Ceramics, CBN, PCD



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