

SOFT CUTTER PRO FUNCTION LINE

Aggregate for cutting soft materials such as honeycomb core, acoustic elements, and textiles through the use of oscillating movements

Machining capabilities: Cutting of straight-edged or radius cutouts

Typical applications:

- Textile: Cutting of fabrics or textiles (e.g., leather, felt, etc.)
- Cutting to size of honeycomb cores for doors, exhibition stand construction, or recreational vehicle construction
- Acoustic elements: Cutting of polyester, foam, or other sound-absorbing materials
- Aerospace and boat building: Cutting of honeycomb core

Technical Specifications

Max. input speed:	6,000 rpm
Max. output speed:	9,000 rpm
Gear ratio:	1 : 1.48
Max. torque:	8 Nm
Permissible operating temperature:	max. 85°C
Positioning of torque arm with respect to tool:	360°
Machining angle:	0°
Number of tool outputs:	1 / fixed
Lubrication:	Grease / Lifetime lubrication
Amplitude:	2 mm
Frequency:	150 Hz



Via the oscillating blade movement, either straight or radius cuts are made in soft materials – cutting at an angle is also possible if 5-axis technology is used



Tool connection:
• Weldon Ø6 mm



Machine connection:
ATEMAG aggregates are used on all CNC machines and robot systems. The machine connection is precisely matched to the technical requirements of the CNC machine or robot.



SOFT GRINDER SMART LINE

Eccentric sander for sanding or polishing work on CNC machines or robots on surfaces and edges – also suitable for free-form surfaces.

Machining capabilities:

- Sanding of edges and surfaces – rough, intermediate, and finish sanding ...
- Grinding at an angle (miters), e.g., Swiss edge
- Polishing of various materials, e.g., Corian
- ...

Materials: Veneered boards, solid wood, MDF, mineral materials, etc.

Technical Specifications

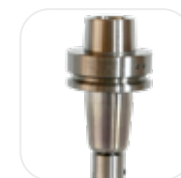
Max. input speed:	12,000 rpm
Max. output speed:	12,000 rpm
Gear ratio:	1 : 1
Permissible operating temperature:	max. 85°C
Machining angle:	0°
Number of tool outputs:	1 / fixed
Max. floating capacity:	4 mm
Probing force:	1.2 - 2.4 kg
Eccentric stroke:	5



The SOFT GRINDER SMART LINE can be clamped in all angular aggregates units with ER 32 or ER 25 collet chuck interfaces.



Tool connection:
The sanding discs are available with diameters of
• ø76 mm
• ø125 mm
• ø150 mm and can be exchanged.



Machine connection:
The eccentric sanding unit is simply clamped into an existing tool holder or a CNC aggregate.



smart

Grinding or polishing work on surfaces, edges and free forms



effortless

Cutting of honeycomb cores, soft acoustic elements and fabrics



variable

Clamex profile grooves in surfaces, edges and in angles



angular

Square bore through simultaneous drilling and mortising



modern

Planing, slotting, brushing & sanding of surfaces



TRENDS
in wood-
working

Solutions for CLAMEX connectors

Vertical Clamex groove routing in surfaces with gentle machining using a standard ATEMAG aggregate – all-in-one system solution

The MONO, DUO, and QUATTRO standard aggregates allow the Clamex connector to be positioned at any point on the board thanks to the vertical position of the Clamex groove side milling cutter and the spindle design of the aggregate. For diagonal positioning of the groove, the MONO FIX FUNCTION LINE (fixed angle) or the VARIO (variable angle) can be used. The grooving cutter tool of the respective aggregate is plunged into the surface during machining and moved sideways at a precise depth.

Technical Specifications

Max. input speed:	max. 10,000 rpm with Rota Lube: max. 12,100 rpm
Max. output speed:	max. 15,000 rpm with Rota Lube: max. 18,000 rpm
Gear ratio:	1 : 1.48
Max. torque:	20 Nm
Permissible operating temperature:	max. 85°C
Positioning of torque arm with respect to tool:	360°
Machining angle:	90°
Number of tool outputs:	2 / fixed
Lubrication:	Grease / Rota Lube - Lifetime lubrication



Floating Aggregate for Clamex Connectors

Grooves for Clamex connectors can also be routed into edges and surfaces of workpieces that have thickness fluctuations.

The **SOFT TOUCH PRO FUNCTION LINE**, which is equipped with a special probe, is suitable for this type of machining.

We offer every aggregate used for Clamex groove milling with the Clamex milling tool in the system on request. Take advantage of the all-in-ONE system solution and request your quote for the Clamex system solution.



CHISEL MORTISER AGGREGATE FUNCTION LINE

Drilling of square holes through simultaneous drilling and mortising

Machining capabilities:

- Angular recess in stair stringers for connection and positioning of the stair treads in the stringer
- Notching of inner corners

Technical Specifications

Max. input speed:	vertical: 3,000 rpm / horizontal: 4,440 rpm
Max. output speed:	vertical: 3,000 rpm / horizontal: 3,000 rpm
Gear ratio:	vertical: 1 : 1 / horizontal: 1 : 0.676
Max. torque:	20 Nm
Permissible operating temperature:	max. 85°C
Number of tool outputs:	1 / fixed
Positioning of torque arm with respect to tool:	6 x 60°
Machining angle:	horizontal or vertical
Lubrication:	Grease / Lifetime lubrication



Tool connection:

- Chisel holder ER 32
- Drill bit holder ER 20



Machine connection:

ATEMAG aggregates are used on all CNC machines and robot systems. The machine connection is precisely matched to the technical requirements of the CNC machine or robot.

MEGA CUTTER ULTRA LINE

Planing shaft aggregate for planing, slotting (sawing), brushing, and grinding

Machining capabilities: Slotting, brushing, planing, and grinding

Typical applications:

- Stair construction: Wire-brush texturing of treads
- Shop fit-out: Slotting with saw package, e.g., curved counter fronts
- Door production: Textured surfaces
- Acoustic elements: Slotting of visible surfaces with saw package, e.g., wall or ceiling elements

Technical Specifications

Max. input speed:	11,380 rpm
Max. output speed:	7,690 rpm
Gear ratio:	1 : 0.676
Max. torque:	22 Nm
Permissible operating temperature:	max. 85°C
Positioning of torque arm with respect to tool:	4 x 90°
Machining angle:	90°
Number of tool outputs:	1 / fixed
Lubrication:	Oil / Oil bath lubrication
Max. tool diameter:	~ ø 160 mm



Tool connection:

- Shaft Ø30



Machine connection:

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