

PROFILE PROCESSING TECHNOLOGY

ALU-BAZ COMPOSITE
Cutting and Machining Centre

SCHIRMER



ALU-BAZ COMPOSITE

The SCHIRMER ALU-BAZ COMPOSITE new generation presents itself as a "high end" Cutting and Processing Centre. For the proven SCHIRMER quality, comes an unprecedented flexibility in engineering (eg by NC-positioned profile support units), connected with further optimized control processes and a renewed energy-saving technology (Idle mode). Designed specifically for the aluminum and composite machining, BAZ is a logical development of the modular SCHIRMER technology including x-axis movement with NC clamping units (patented).

Loading magazine / profile-measuring devices

- With flexible magazine locations;
- With profile-dependent lowering

of the infeed section for the best possible utilization of loading and the preparation of an accurate and error-free processing of a variety of profiles.

- Height and width measurement means correction of all subsequent operations (incl. saw cuts);
- Length control for sorting incorrectly replaced profiles.

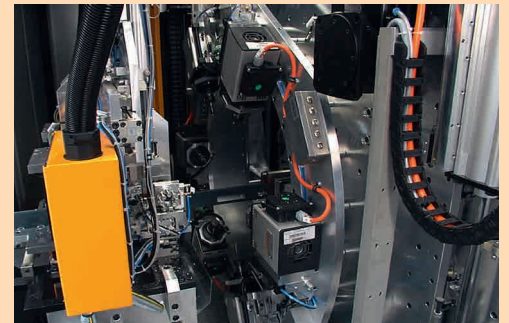
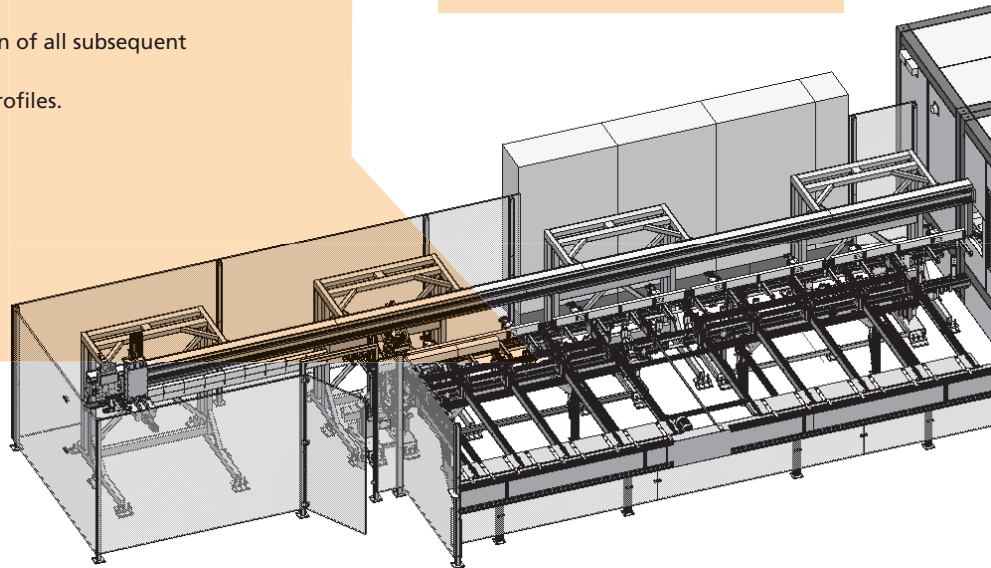
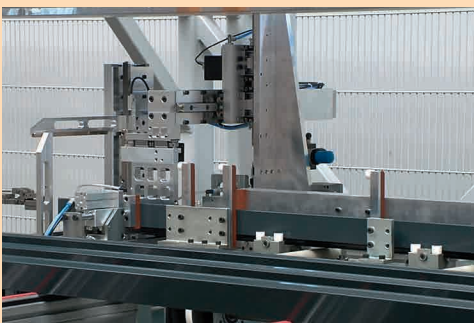
Magnet linear actuators made by SCHIRMER

- NC-positioned grippers;
- High dynamic servo motors

with a positioning speed of up to 250 m/min.

Idle mode

- for cutting- and milling motors
- energy saving
- reduction of wearing

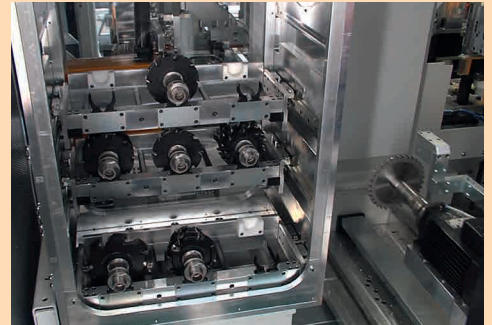




Saw Module "SUA 1"

- 4 CNC-axes for each best approach angle
- integrated Micro-Spraying Unit for cooling

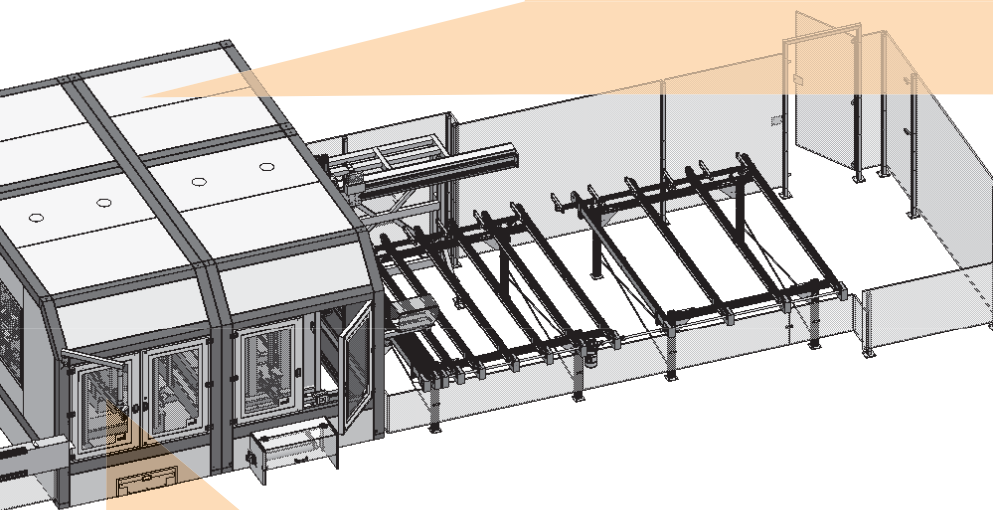
for all common cuts and exceptional cutting combinations. An optional 2-axis version is available.



Milling module "Contouring" (optional)

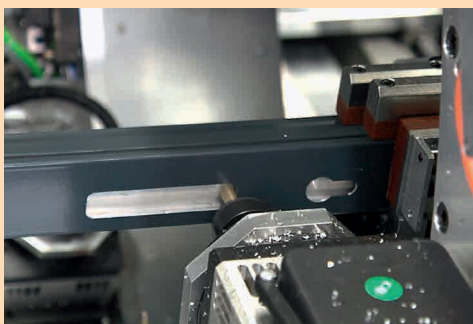
- 3-axis machining station;
- Precise end milling operations without additional clamping;
- Automatic tool change of up to 12 tools
- integrated Micro-Spraying Units for cooling

for fast and precise end milling with horizontal and vertical movements.



More options

- Different printer models to identify the profiles;
- Various outfeed transport options for "Cut pieces".
- Tool control by means of vibration sensors

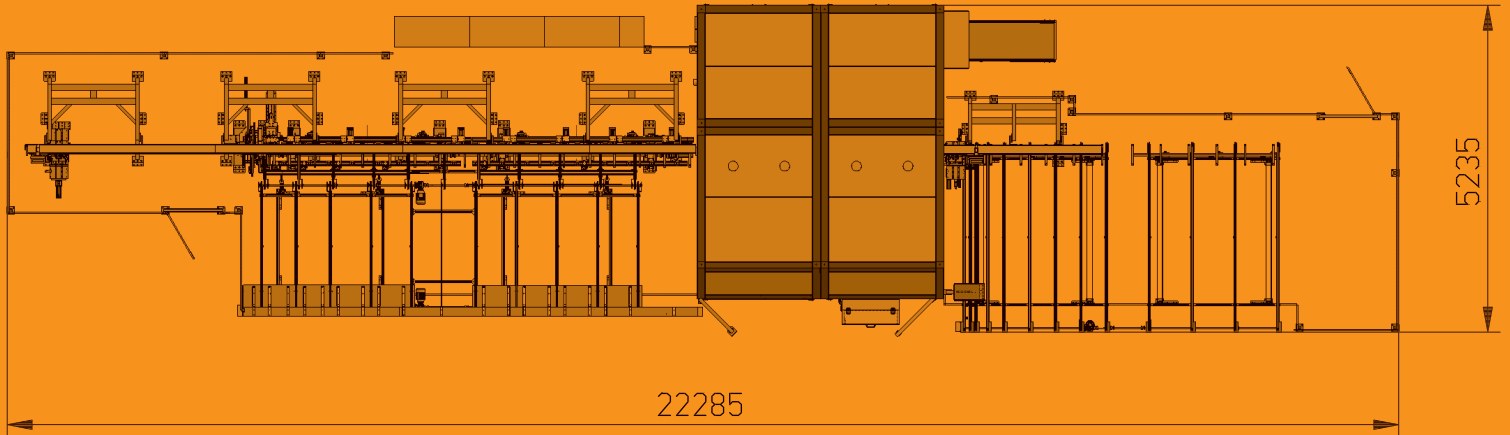


Processing module "Circular"

- Simultaneous linear and rotating movements;
- Particularly fast and extremely precise Positions (full 360 °);
- Modern tooling with integrated Micro-Spraying Units

for cooling, allowing for maximum feed rates with high speed drilling and milling operations.

SCHIRMER – we live profile machining.



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