



Modular and flexible automatic
single and low ply
precision cutting solution

MACHINE CHARACTERISTICS

- Modular and upgradable machine and cutting tool concept
- Very compact and ergonomical cutter design
- Flexible tool adapter with easy to operate fast tool change system
- Very simple and fast blade change with every cutting tool
- Fully IP67 fiber and dust protected controller and electronics
- Front and back touchless, sensor based operator safety system
- Fully PC controlled operation with no extra additional operating panel
- CE certified
- High and constant cutting speed and acceleration
- Maintenance and service friendly
- Low operating and maintenance costs
- Compatible to all major CAD data

MAIN AREAS OF APPLICATION

- Composites and lightweight material (Prepreg or dry fabric, woven or non-woven, made of Carbon, Glass, Aramid, Basalt, Flax etc.)
- Technical Textiles (Cloth, upholstery cloth, plastic foil, vinyl, sail cloth, insulation material, coated special textiles etc.)
- Industrial flat sheet material (Hybrid and multistructural material, sealing material, several foams, cardboard, coated material etc.)



GUNNAR NOVEX L

with effective cutting window of 1'800 mm x 1'900 mm

GUNNAR NOVEX S

with effective cutting window of 1'300 mm x 1'900 mm



Twin Tool Adapter

Conveyor

Integrated Touch-PC

Universal Tool Holder UTH

Offload Table Extension

BASIC CONFIGURATION OF ALL CUTTER MODELS

- Digitally operated static cutting table with integrated controlled vacuum system
- Cutter controller with cutter operating software idWINGMAN
- Servo drive based 4-axis-control
- Single multifunctional tool adapter with 43mm fast changing system
- Positioning laser
- Cut data compatibility to DXF and optionally also HPGL, ISO, Gerber, Lectra

EXTENDED CONFIGURATION OPTIONS FOR ALL CUTTER MODELS

- Second multifunctional tool adapter with 43mm fast tool changing system
- Conveyorized model for automatic material transport
- Integrated offload table extension with conveyor
- Integrated PC screen holder with standard VESA mount
- Integrated IP67 19" touch based PC operation center
- Universal clamping tool holder for marking tools UTH

CUTTING TOOLS FOR ALL CUTTER MODELS

- Tangentially controlled drag knife tool TKT
- Electrical driven rotary knife tool ERT
- Electrical driven oscillation tool EOT
- Multifunctional knife tool MKT

MAIN OPERATING FIGURES OF ALL CUTTER MODELS

- Max cutting speed 1'500 mm/s
- Max positioning speed 2'000 mm/s
- Max acceleration 10 m/s² (1G)
- Positioning accuracy +/- 0,1mm

SELECTED PERIPHERAL HARDWARE OPTIONS AND ACCESSORIES

- Material roll support unit (manual or electrical)
- Label or inkjet printing/marketing solutions
- Laser projection system for cut part identification
- Fully automatic material handling solutions for ultra long marker cutting

SELECTED PERIPHERAL SOFTWARE SOLUTIONS

- idPRECAM simple digital cut data generation and editing (CAD module)
- idCAMSUITE automatic nesting for material usage optimization (CAM module)
- idTUNESUITE solutions for job order processing (ERP module)
- GUNNAR DigiPen for simple and fast pattern digitalization