GUNNAR Novex

Modular and flexible automatic
single and low ply
precision cutting solution

eine arbeit von morgenluft

GUNNAR NOVEX ADVANTECH

MACHINE CHARACTERISTICS

- Modular and upgradable machine and cutting tool concept
- Small footprint and compact design
- Flexible cutting tool adapter with easy to operate fast tool change system
- Fiber and dust protected controller and electronics
- Most modern operator safety system based on laser scanners
- Fully PC controlled cutter operation with no extra additional operating panel
- Maintenance and service friendly
- CE certified

MAIN AREAS OF APPLICATION

- Composites and lightweight material (Thermoset or thermoplastic prepreg, dry fabric, woven or non-woven, made of Carbon, Glass, Aramid, Basalt, Flax etc.)
- Technical textiles (Textile cloth, upholstery cloth, vinyl, sail cloth, insulation material, coated special textiles etc.)
- Industrial sheet material (Thermoplastic foil, gasket material, rubber, foam, cardboard, corrugated board, honeycomb, coated material etc.)

BASE MODELS

NOVEX AdvanTech S
Cutting window 4 x 6 ft (51 x 75 in)

NOVEX AdvanTech SX
Cutting window 4 x 8 ft (51 x 98 in)

NOVEX AdvanTech L
Cutting window 6 x 6 ft (71 x 75 in)

NOVEX AdvanTech LX
Cutting window 6 x 8 ft (71 x 98 in)

CONFIGURATION OF ALL BASE MODELS

- High speed digital servo-drive based 4-axis motion control
- Integrated vacuum system
- Single multifunctional tool adapter with fast tool changing system
- Head positioning laser spot

MAIN OPERATING FIGURES OF ALL CUTTER MODELS

- Max cutting speed 59 in/s
- Max positioning speed 79 in/s
- Max acceleration 1G
- Positioning accuracy +/- 0.004 in

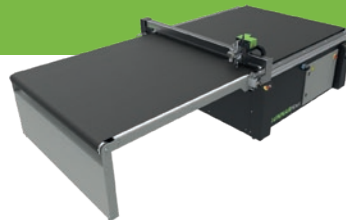## MODULAR INTEGRAL BASE MODEL EXTENSIONS

NOVEX AdvanTech S/L/SX/LX-C
Any base model with integral conveyor

NOVEX AdvanTech S/L/SX/LX-CE
Any base model with integral conveyor and offload table extension

INTEGRAL HARDWARE OPTIONS FOR ALL CUTTER MODELS

- Second multifunctional tool adapter with fast tool changing system
- Automatic tool initialization and blade calibration system ATI
- Energy efficient dynamic vacuum controller
- Optical material edge and crop mark detection
- Integrated VESA mount screen and keyboard holder
- Integrated IP67 19" touch based PC operation center
- Universal clamping tool holder for marking tools UTH

SELECTED PERIPHERAL HARDWARE OPTIONS AND ACCESSORIES

- Material roll support unit (manual or electrical)
- Inkjet printing/marking solutions
- Laser guided offload system
- Robot offload system

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
- Ultrasonic cutting tool UCT
- Double punch head and hole marking tool PMT
- Router tool head URT

SELECTED PERIPHERAL SOFTWARE SOLUTIONS

- idPRECAM simple digital cut data generation and editing (CAD)
- idCAMSUITE automatic nesting for material usage optimization (CAM)
- ERP interface
- GUNNAR DigiPen for simple and fast pattern digitalization