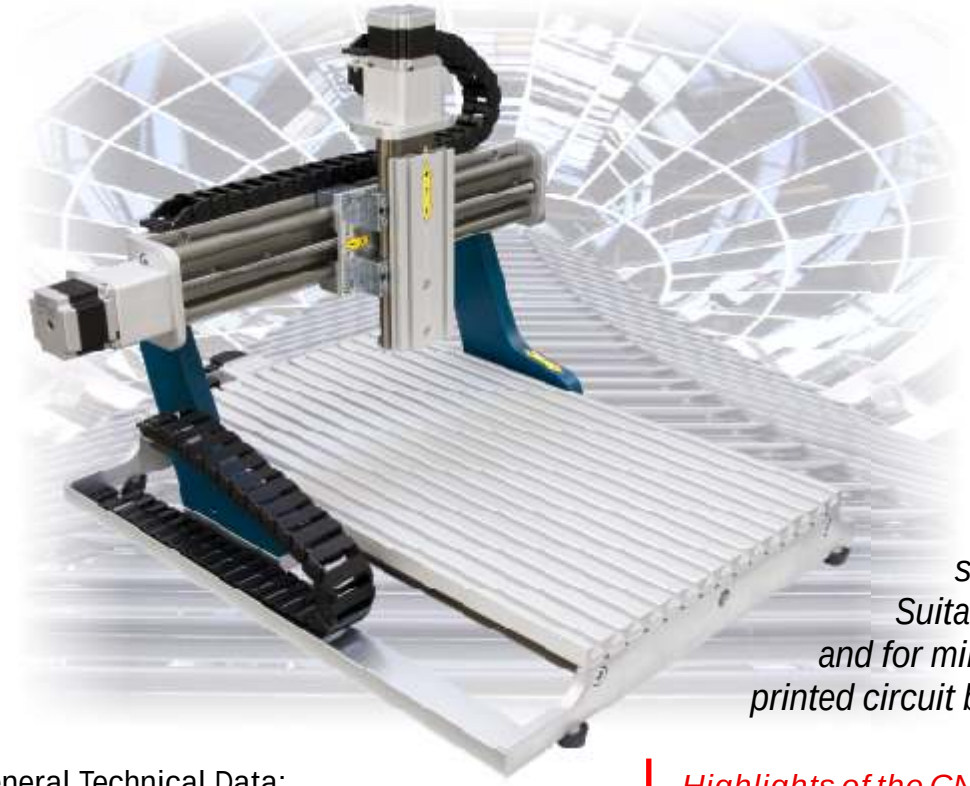
Three Axis CNC Machine

CNC Pure



Gantry milling machine for prototype production, school and education. Suitable for drilling, engraving and for milling wood, plastics, printed circuit boards and similar materials.

General Technical Data:

Design	Gantry machine made of cast, aluminium with slide bearing guides and round thread spindles
Milling table dimensions	375 x 600 (1,240) mm T-groove plate,
Overall travel (CNC Pure 1)	310 x 420 x 100 mm [X/Y/Z]
Overall travel (CNC Pure 2)	310 x 1.000 x 100 mm [X/Y/Z]
Drive spindles	Round thread spindles 10x3mm
Linear guides	Slide bearing guides
Positioning control	Three-axis controller with parallel interface in aluminium profile housing
Motor power	3x 30 V, 2 A
Power supply	230 V, 50/60 Hz
Driver software	EdiTasc (realtime software) for the parallel interface
User software	CAD6 (optionally isy CAD/CAM ProNC, Remote, GALAAD/Kay)
Data import	HPGL, G-code, isel NCP-Format

Highlights of the CNC Pure

Design

The *CNC Pure* is based on a very compact and durable design principle with only a few functional modules. An aluminium cast portal, machined in only one procedure, provides for a high angle accuracy of the axes. In addition to that, slide bearing guides guarantee a high reliability and great running smoothness.

Drive Control

The *CNC Pure* comes with a compact three-axis drive control. The power electronics is thereby integrated in an aluminium profile housing and is connected to the control computer by the parallel interface. The positioning control itself is realized by means of the EdiTasc realtime software.

Software

The *CNC Pure* is by default shipped with a basic version of the CAD/CAM software CAD6 as well as the driver software EdiTasc. But also other NC software products like isy CAD/CAM, ProNC or GALAAD/Kay can be used by exchanging the positioning control. Furthermore, various import filters e.g. for HPGL data, DXF files or Corel files ensure an universal data exchange.

TECHNOLOGY

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