Technical Data

	MODUFLAT 30	MODUFLAT 60	MODUFLAT 70	MODUFLAT 120
Traversing range X/Y/Z [mm]	400x300x150	400x600x150	800x600x150	800x1200x150
Table clamping area WxD [mm]	550 x 750	550 x 1000	950 x 1000	950 x 1750
Opening [mm]	200			
Dimensions WxDxH [mm]	850x800x1020	850x800x1300	1250x800x1300	1250x800x2050
Process speed X/Y/Z [mm/s]	50/100			
Repeat accuracy [mm]	≤ 0,02			
Drive motors	Stepper motors			
Drive elements X/Y/Z	Ball screw drives, clearance free adjustable 16 x 5 / 16 x 5 / 16 x 2,5 mm			
Control	Step-Controller iMC-P			
Operation	Function keys, Emergency OFF optional: control panel			
Software	PAL-PC, Remote optional: Galaad			
Item-No.*	275409 55665	275400 55665	275408 55665	275407 55665

* Is only valid for the variation without base and without protective cover!

Technical specifications subject to change !

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Layout: iselmedia

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From Components to Systems

MODUFLAT

CNC Machine with Stepper Motors

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General

ModuFlat CNC machines are machines for various lines of business and fields of application with a good value for the money. We are able to provide complete solutions for proportioning, engraving, measuring, drilling and milling applications.

The basis is made of rigid steel and aluminium constructions of **isel** system profiles and elements. The play-free ball screw drives, used in the positioning axes, provide for high precision, accuracy and smooth running.

ModuFlat CNC machines are available as compact units in 4 standard sizes with traverse paths of

 X = 400 / 800 mm
 Y = 300 / 600 / 1200 mm,
 Z = 150 mm

in open and closed design as well as with and without protective cover .

The linear units with stepper motors are optimally matched to the mechanics, the power electronics and the controller together with the software.

The 4-Axis-Stepper Controller have available a maximum step precision and is controllable about USB, RS232 as well as Parallel Port.

In case of the **ModuFlat** the portal section is being moved and the workpiece is being moved within the table area. This design makes the machines particu suitable for machine cutting up to four axis.

The basic configuration of the **ModuFlat** contains the CNC standard machine without base and protective cover as well as a handing control element with function keys and Emergeny OFF. (optional Control terminal)

A wide range of functional application accessories and software applications as well as versions with other feed ranges are available for all CNC desktop machines.

Illustration:
ModuFlat with base,
protective cover and control terminal

Fields of Application

- Drilling and milling
- Assembling and mounting
- Imprinting and engraving
- Metering and fastening
- Laboratory technology
- Architecture modelbuilding
- Rapid Prototyping
- PCB assembly
- Engraving technology
- Education training

... and for many other applications!

Options

- Drilling/milling spindle
- Frequency converter
- Tool changer
- Cooling / Spraying device
- Control Panel
- Rotary Unit iZD 54
- Extraction system
- Vacuum clamping plates
- Protective cover
- Base
- I/O Module
- Applications

We are able to design and manufacture in collaboration special machines for OEM customers.

Technical specifications subject to change.