

Technical Data

* Is only valid for the variation without base!

	ModuFlat 30	ModuFlat 60	ModuFlat 70	ModuFlat 120
Traversing range X/Y/Z (mm)	400 / 300 / 150	400 / 600 / 150	800 / 600 / 150	800 / 1200 / 150
Table clamping area WxD (mm)	550 x 750	550 x 1000	950 x 1000	950 x 1750
Opening (mm)	200			
Dimensions WxDxH (mm) *	850x1020x900	850x1300x900	1250x1300x900	1250x2050x900
Process speed X/Y/Z (mm/s)	50 / 100			
Repeat accuracy (mm)	± 0,01			
Drive motors	Stepper motors			
Drive elements X/Y/Z	Ball screw drives, clearance free adjustable 16 x 5 mm / 16 x 5 mm / 16 x 5 mm			
Control	Step-Controller iMC-P			
Operation	function keys, emergency OFF, optional: control panel			
Software	Remote optional: ProNC, PAL.PC, isy CAD/CAM, Galaad, EdiTasc			
Item-No. (desktop machine)				
... without cover	275409 55665	275419 55665	275429 55665	275439 55665
... with cover	275400 55665	275410 55665	275420 55665	275430 55665
Item-No. (machine with base)				
... without cover	275408 55665	275418 55665	275428 55665	275438 55665
... with cover	275407 55665	275417 55665	275427 55665	275437 55665

Contact

Let us put together the best configuration for your application by our staff.

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Technical specifications subject to change!

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i-dimod
didactic and motion drive



Illustration:
ModuFlat 70
with base,
protective cover
and control terminal

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ModuFlat
CNC machine with Stepper motors

ModuFlat

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 Emergency 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.

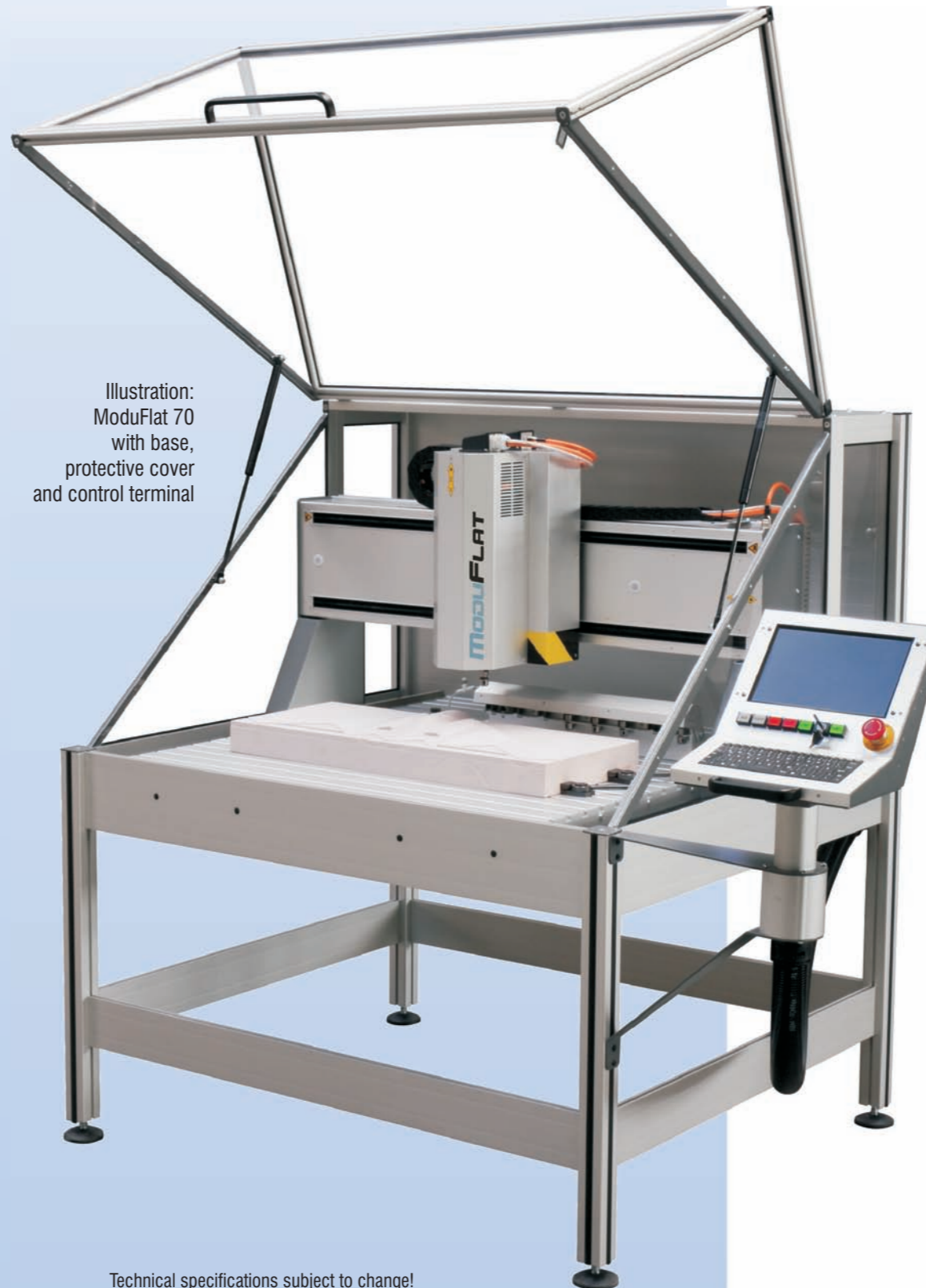


Illustration:
ModuFlat 70
with base,
protective cover
and control terminal

Applications

- 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

- Milling spindles
- 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.