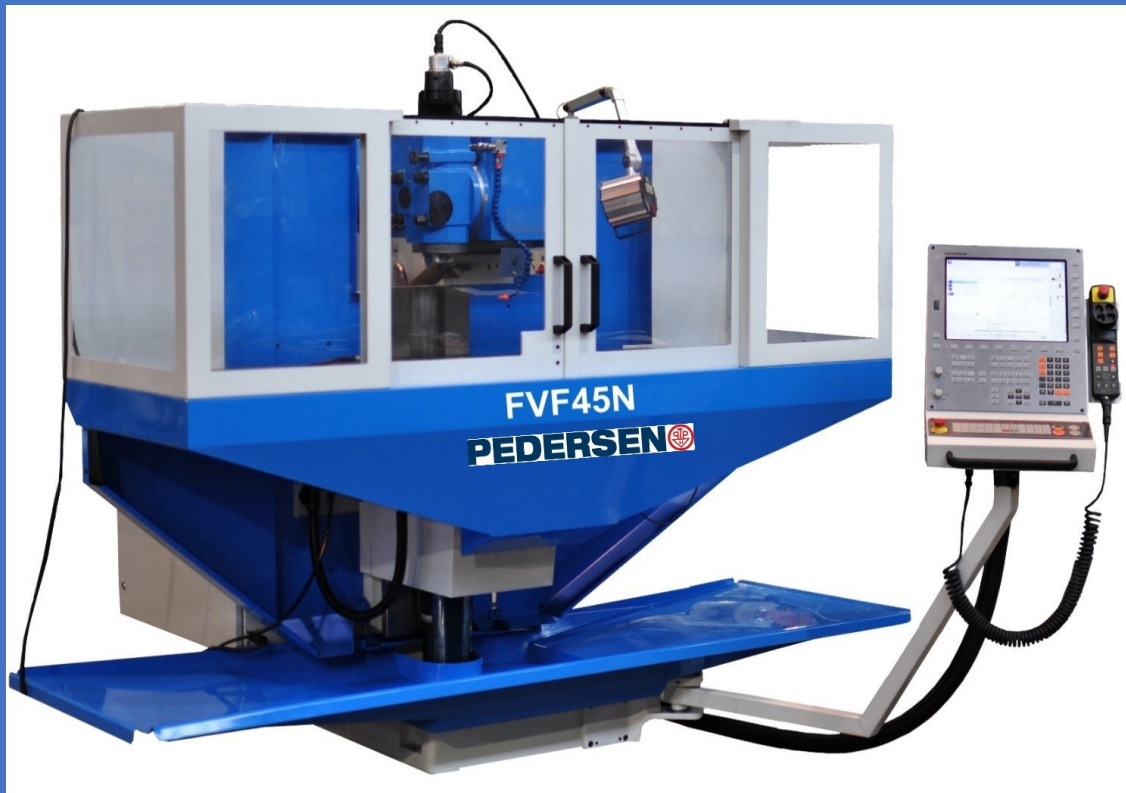


## Offer Pedersen FVF 45 N



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## Characteris

The numerically controlled milling machine FVF45N is a modern milling machine with high machining capabilities. It is characterized by high modern design solutions used in allow for dynamic and economic processing in the cutting process. The advantages and versatility of this machine allow it to be operated in all types of tool shops, prototype workshops or maintenance departments, as well as in serial production.

The milling machine is made of cast iron bodies, the body of the stand is divided and connected with guides at an angle of  $27^\circ$ , which allows for a large processing space, while maintaining the required rigidity. The spindle head was placed on the side of the beam, which, combined with the possibility of twisting it, allows you to work with a vertical spindle, as well as in a horizontal milling machine. A special mandrel has been designed in the milling machine beam, which allows the attachment of an eyepiece to support the milling mandrel (optional). In the X, Y and Z axes, rolling gears driven by servo motors were used, and in the spindle drive, an asynchronous motor powered by a frequency converter. The machine tool uses a Heidenhain TNC620 control. ✓ Possibility of milling in vertical and horizontal position



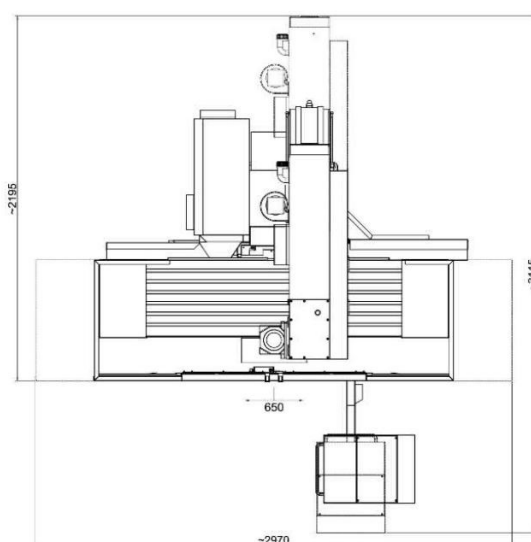
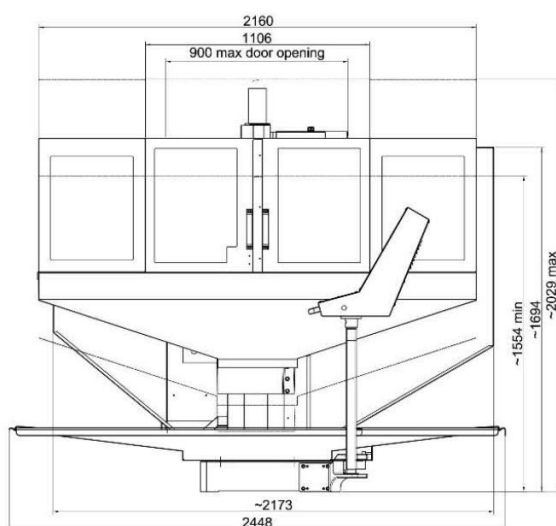
- ✓ Slanted bed

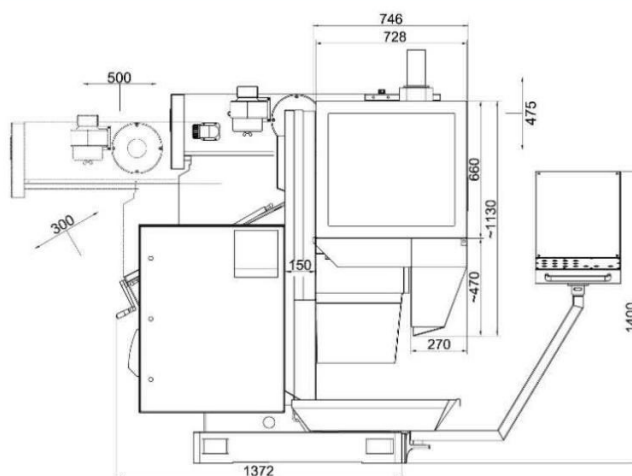


- ✓ Ball screws in 3 axes
- ✓ Possibility of machining in 4 axes (by using a rotary table / dividing head FNd250 or FNd320)
- ✓ Pneumo-hydraulic tool clamping
- ✓ Cross feed by the beam
- ✓ Head with drilling quill extension (option) or additionally with a wheel for precise quill extension (option) -2-

## Technical specification

TECHNICAL DATA		Unit	FVF45N
Table working surface		mm	450x1530
Number of grooves in the table		Pcs.	6
The width of the grooves in the table		mm	18H7
The spacing of the grooves in the table		mm	65
Maximum feeds	longitudinal X axis	mm	650/800 (o
	transverse Y axis	mm	475
	vertical Z axis	mm	475
	oblique axis Y2	mm	510
Spindle taper DIN2080		ISO	40
Head turning angle			0-140°
Quill slide out		mm	75 (o
Spindle speed range (stepless)		rpm	70-4000
The range of feeds of the stepless X and Y axes		mm/min	10-2000
The range of feeds of the stepless Z axis		mm/min	10-2000
The amount of rapid feeds	longitudinal and transverse	mm/min	5000
	ver	mm/min	2000
Nominal torque of the feed drive motor	longitudinal and transverse	Nm	5
	vertical	Nm	12
Spindle drive motor power		kW	7,5
Coolant electro pump motor power		kW	0,09
Max. mass of the workpiece with the fixture		kg	400
Machine weight		kg	2550
Dimensions of the milling machine (width-length-height)		mm	2500x2200x2000





## FVF45N milling machine as standard

### Standard equipment

- Heidenhain TNC620 control
- Head without quill extension \*
- Cover of the working space on the table
- Spray-suppression bath
- Lig
- Cover for draining the coolant
- Pneumo-hydraulic quick tool clamping system
- Clamping
- Milling machine control and opera
- Maintenance keys

### Additional equipmint

Art. no	Description	
FNd250	250mm rotary table (4 axis) with drive and a tailstock	
FNd320	320mm rotary table (4 axis) with drive and a tailstock	
HR510	Heidenhain electronic handwheel	
TS260	Heidenhain measuring probe for workpiece	
OKULAR	Support (eyepiece)	
KM	A lug	
WP	Quill slide out	
PWP	Precise quill slide (op	
WIBRO	Vibro-isolators (4 pcs – set)	
ŚRUBY	Found	
X-800	X axis travel extension up to 800mm (extra charge)	
PODEST	Wooden transport pl (for oversea and con	
BOX	Wooden transport	

### Terms and condition

#### - Prices in Euro, EXW

#### - Production time : 14 Weeks from order

#### - Payment terms:

- 30% prepayment as an order
- 70% down payment before dispatch

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- **Prices in Euro, EXW**
- **Production time : 14 Weeks from order**
- **Payment terms:**
- **30% prepayment as an order**
- **70% down payment before dispatch**
- **Warranty: 12 month**
- **Offer valid: 1 month**

\* standard equipment

We reserve the right to make price, construction and technical changes of products without prior notice

**All photos in the offer are for illustration only**

**PEDERSEN** 