



Precise hole patterns



Best suited for made-to-order
and series production



Enormous time saving



PROFILE DRILLING MACHINE PBA 3000/6000

The ideal drilling machine for long workpieces offering many benefits

The **RÖDER PROFILE DRILLING MACHINE PBA** is a compact drilling machine for highest efficiency when drilling profiles.

As this machine provides the possibility to clamp very long workpieces and to determine the exact position of the drill patterns, there will be no time-consuming gauging, no marking ridden with high tolerances, no punching and no manual positioning.

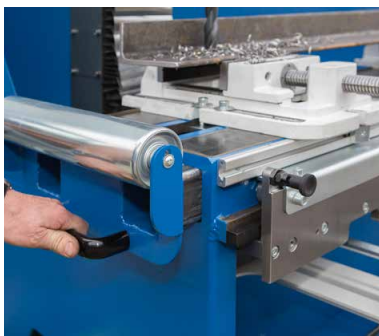
The Highlights

The workpiece is just clamped on the **PROFILE DRILLING MACHINE PBA**, and the desired dimension points are directly approached and drilled, with the vices being continuously adjustable over the entire travel.

The dimensions are read directly at the digital position display. The zero point can be set in every position, whereby the absolute value display is preserved and can be queried at any time. Display accuracy: 0.1 mm.

By means of the adjustable attachment points, identical workpieces can be manufactured quickly and efficiently. Using the bilateral support rollers, the support of the workpieces can be easily extended.

Depending on the selected drilling unit, oblique holes can also be drilled by pivoting the gearhead.



The standard design comprises:

- Support table with 3 vices
- Drilling unit with manual setting of the drill positions and manual or automatic drill feed (depending on the selected drilling unit)
- Digital position display
- Support rollers extendible on both sides



Your Benefits

- Easy operation
- Short training period
- Enormous time saving even with just one piece, as the time-consuming and often error-ridden gauging, marking and punching is eliminated.
- Very high repeat accuracy
- Outstanding suitability for series productions
- Exact drillings in round tubes
- Protection of the workpiece surface, as the workpiece remains firmly clamped
- Mobile application due to lifting device being available as an option

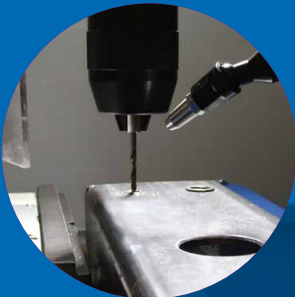
Our mission is to offer the highest quality standard.

To achieve this objective, we assemble all parts and components in our factory and subject them to an ongoing quality control. Consult us about your expectations and demands. Together with you, we will then develop the best solution for your specific application.



THERE IS MORE TO BE HAD: ADDITIONAL OPTIONS

On request, we design the **PROFILE DRILLING MACHINE PBA** according to customer requirements. For instance, the system may be equipped with a CNC control unit – e.g. the HEIDENHAIN Positip 8016 active – which allows for creating, storing and retrieving complete drill pattern programs. The control unit is easy to use, which will reduce the training period to a minimum. The length of the machine may be individually defined by you in accordance with your requirements.



MINIMUM QUANTITY LUBRICATION

for an even application of lubricants



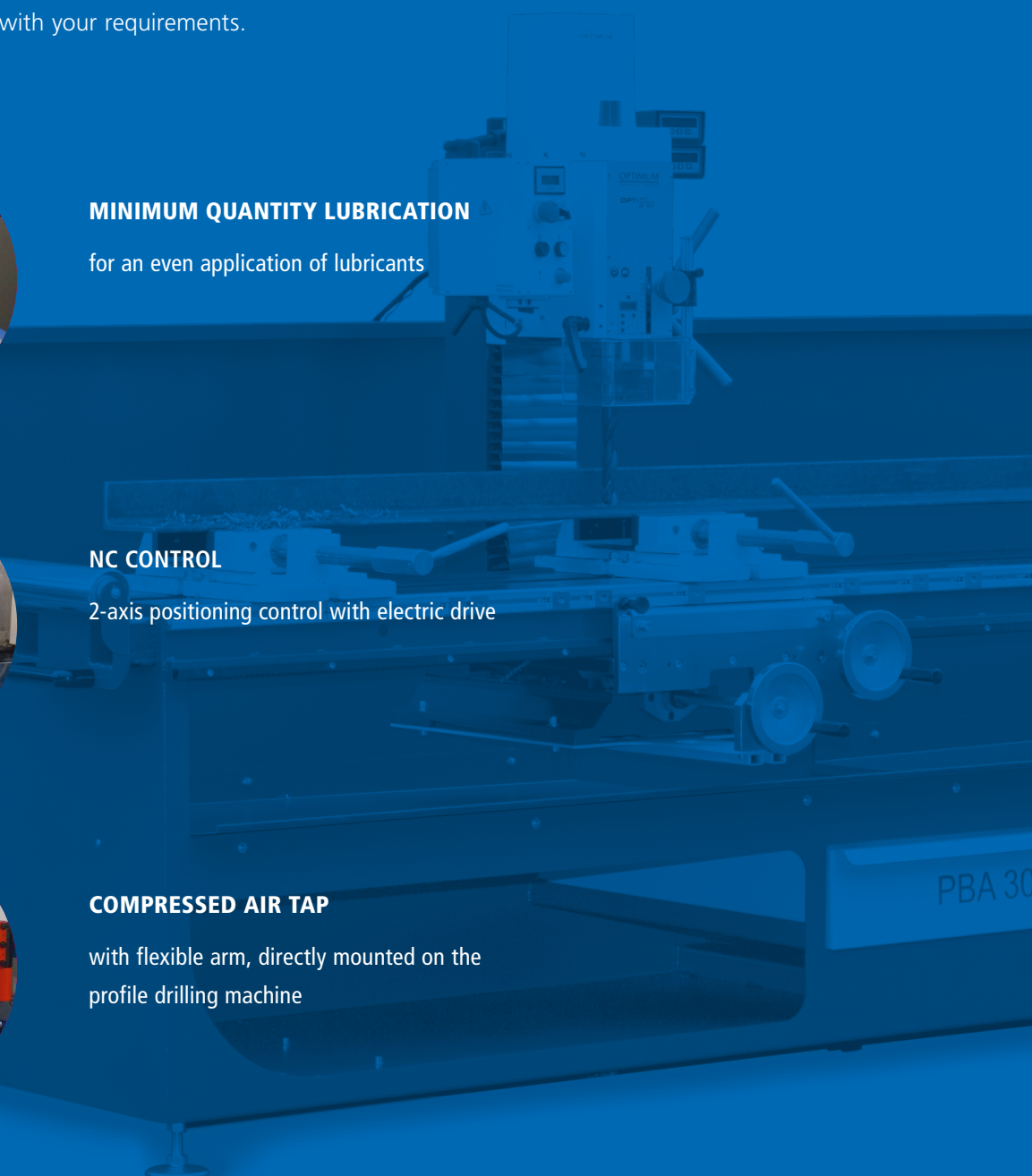
NC CONTROL

2-axis positioning control with electric drive



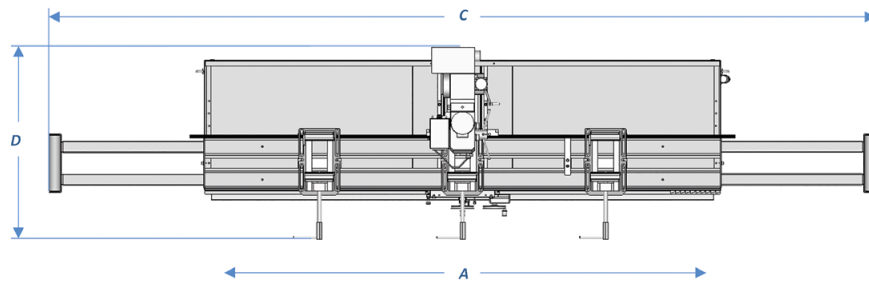
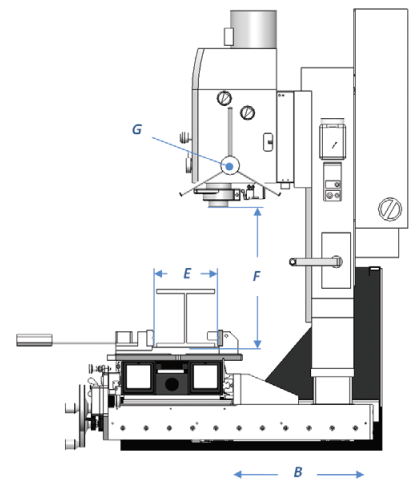
COMPRESSED AIR TAP

with flexible arm, directly mounted on the profile drilling machine



PROFILE DRILLING MACHINE PBA 3000/6000

SPECIFICATIONS			
	PBA 3000	PBA 6000	
Maximum travel x-axis (A)	3,000	6,000	mm
Maximum travel y-axis (B)	250	250	mm
Space required for total length (C)	6,000	8,820	mm
Space required for total width (D)	1,400	1,400	mm
Span width of vice (E)	220	220	mm
Number of vices, standard	3	3	pcs.
Maximum weight of workpiece	500	500	kg



SPECIFICATIONS			
DRILLING UNIT	KNUTH TSB 35	OPTIMILL MH 35V	MAXION UNIMAX 3 T AV
Minimum passage (F)	200	70	280 mm
Maximum passage (F)	630	480	500 mm
Spindle stroke (G)	170	80	125 mm
Drilling capacity in steel S235JR	30	28	26 mm
Tapping performance in steel S235JR	M20	M10	M16
Tool holder	MK 4	BT 30	MK 3
Electrical connection / motor	400 / 1,2	400 / 1,5	400 / 1,5 V/kW
Speed gear levels	12	6	2 steps
Continuously speed adjustment	Nein	Ja	Ja
Speed range up to	3,030	3,260	3,200 min ⁻¹
Pivoting gearhead	Yes	Yes	No

Custom machine designs on request

We look forward to getting in contact with you.

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