



A jack-of-all-trades that can be used anywhere

Beaver 3048: semi-mobile beveling machine

**“If you do business with Copier,
you are doing business with the
inventors and builders of your machine.”**

Copier designs and builds machines for the metal industry, including beveling machines. About 300 of the PBM series of beveling machines for stationary use introduced in 1997 are currently in use worldwide.

All our machines are developed in close collaboration with users. Functionality and efficient use always come first. We are proud that we can use our technical expertise time and time again for the development of innovative machines for practical use.

Doing business with the makers

If you do business with Copier, you are doing business with the inventors and builders of your machine. That means you have direct access to our know-how and can rely on us if you have any questions or problems. Doing

business directly with the builder naturally also means you pay the lowest price.

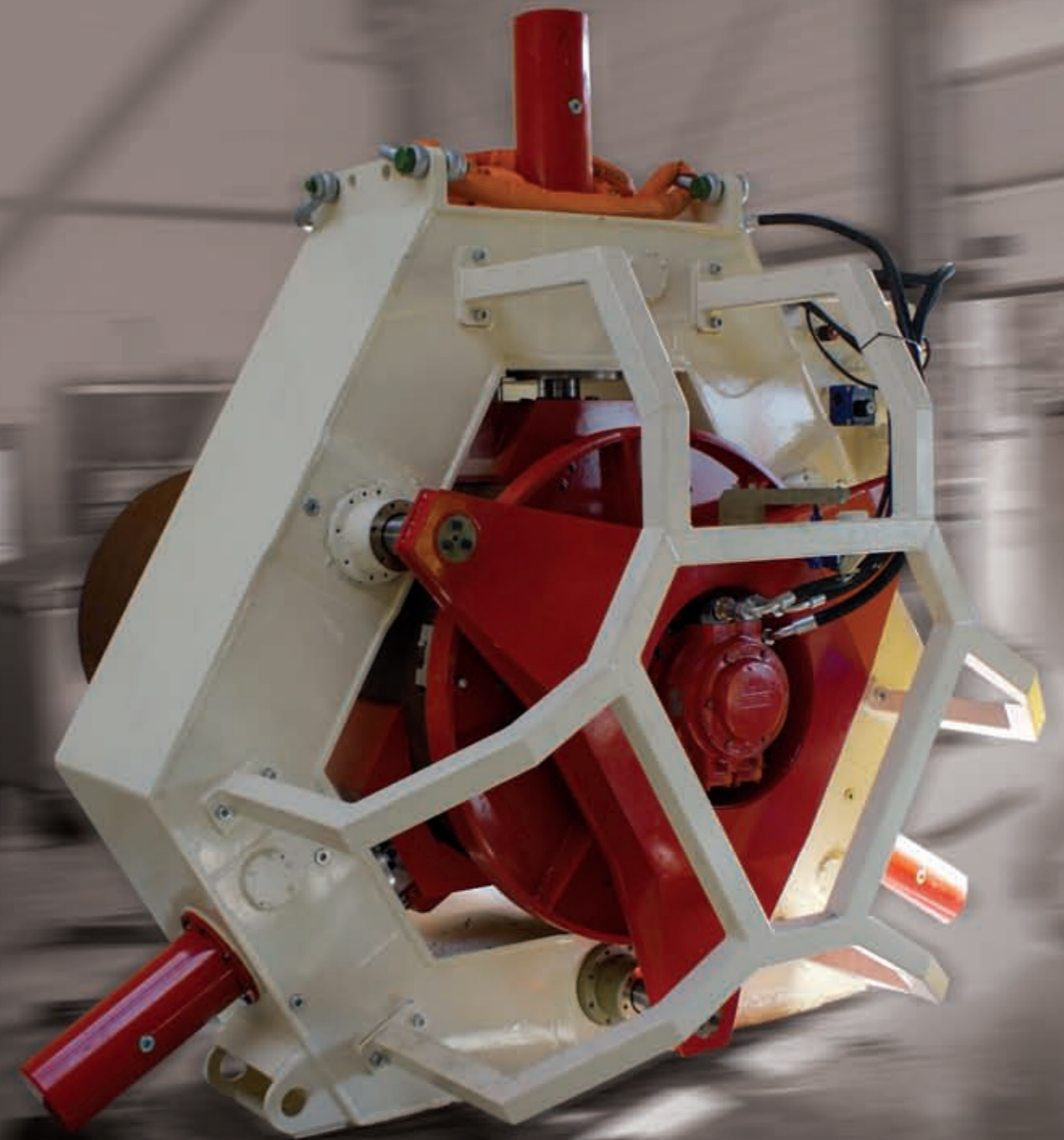
Always on stand-by

We attach great value to excellent service, also after you have made your purchase. In other words, you are more than welcome to come to us for maintenance and service. Copier is always on stand-by.

Special requirements?

We would be more than happy to help you out!

Does a machine from our range not fully meet your requirements? Perhaps your work processes are slightly different or maybe you have your own ideas? The engineers at Copier love these challenges. We will be delighted to surprise you with a design that fully meets your wishes.



solid, sharp and state-of-the-art

Copier Steel- and Mechanical Engineering BV

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- can be used as both a stationary and mobile unit
- bevels pipes of 30–48”
- minimum changeover time
- can be driven by your own equipment
- four times faster than a cutting torch
- tools for several different weld preps available
- ideal for the construction of pumping and distribution stations

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The power of stationary, the flexibility of portable

Until recently there were two kinds of beveling machines: stationary and portable.

Copier has developed a machine that combines the best of both worlds. A semi-mobile machine that can handle many diameters on site, which makes it ideal for the construction of pipeline stations. Let us introduce our pride and joy: the Beaver 3048.

The construction of a pipeline station requires a great deal of welding, which means lots of beveling. Manual beveling with a cutting torch is hugely labour-intensive, whilst the quality of the welding preparation is often not perfect either. A beveling machine is the ideal solution but the traditional portable beveling machines are far from ideal, because many different diameters and wall thicknesses are used for the construction of a station. Constant changeovers are highly time-consuming. With the Beaver 3048, which is specially developed for butting during the construction of pumping and distribution stations, this work can be done much more quickly. At the same time welding seams and welds of perfect quality are guaranteed.

Faster

Lower wage costs

Working with the Beaver 3048 is many times faster than manual beveling with a cutting torch. Just calculate how much you will be saving in working hours and personnel costs. You will discover that the

short return time makes the Beaver 3048 a sound investment.

Better

Suitable for automatic welding

The Beaver 3048 creates accurate, perfectly formed and identical fusion edges. In other words, a pipe prepared with the Beaver can be automatically welded without trouble. The advantages? Fewer welding errors and faster completion! Thanks to its robust construction, the Beaver 3048 is also highly reliable and low-maintenance, and that also yields significant cost savings.

More flexible

Various diameters and welding types

As the Beaver 3048 clamps the pipes externally with a prism clamp, changeover times are minimal. Not only do the sizes it can handle (30 to 48 inches) make this machine unique in its field, it also offers outstanding flexibility. Almost any weld type (V seam, compound, flat, taper, chamber, etc.) can be created.



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That in turn offers possibilities for saving on welding materials.

Easier

Easy drive and operation

The drive of the Beaver 3048 is fully hydraulic. This means that you can use any hydraulic machine for this and that the Beaver 3048 can basically be used anywhere, even stationary. The Beaver 3048 is very easy to use, thanks in part to the smart clamping mechanism and the clear control panel layout.

Tooling and accessories

We can, of course, provide you with all kinds of preparation tools for your machine. We can also supply copying heads, auxiliary cooling systems, semi and fully automatic machines, central lubrication systems, roller conveyors and other accessories.

Maintenance

Regular maintenance preserves your machine. We will also be happy to do this for you, on an on-call basis or on the basis of a maintenance contract.

The Beaver 3048 in detail

usage	mobile and stationary
motor	hydraulic
hydraulic pressure required	180 - 300 bar
flow rate required	200 - 300 l/min
clamping	750 - 1220 mm
clamping range	730 - 1250 mm
clamp length required	400 mm
rotating range	730 - 1230 mm
motor power	30 kW
speed	10 - 50 rpm
machining	exchangeable carbide-tipped discs
maximum wall thickness	up to 25 mm at once*
drive	hydraulic
drive stroke	200 mm
dimensions	3000 x 3000 x 1500 mm
weight	6300 kg

* larger wall thicknesses possible with several machining runs

Want to learn more? Call us!

Please do not hesitate to ask us questions if you want to learn more about the possibilities of the Beaver 3048 or our other beveling machines. We will naturally be happy to organise an obligation-free demonstration for you and your colleagues. Call **+31 (0)183 44 13 13** or send an e-mail to info@copierbv.com.