

# Edge preparation for welding

## Outokumpu PSC Nordic

Outokumpu PSC Nordic is specialized in edge preparation of Moda, Core, Supra, Forta and Ultra range stainless steel grades.

We perform edge preparation on everything from plates to profiles. Our main process for edge preparation is via our specialized belt grinding machine. This machine has an adjustable grinding assembly in order to handle edge preparations infinitely from more or less 0 – 90 degrees. The machine is constructed to be able to handle the most frequently used edge preparations but also equipped to handle so called released joints.

In addition to this technology we can also offer edge preparation in one of our plasma cutting- or water jet cutting machines being equipped with a phase cut unit making it possible to offer phase cuts. It is also possible during cutting to seamlessly change the phase angle. Performing edge preparation of small details we can also offer edge preparation through milling or edge preparation with phase machines.

### Dimensions

Our machine park for edge preparation can handle dimensions from 100 mm wide strips up to 3 000 mm wide plates. The maximum length that can be edge prepared is 13 000 mm.

Edge preparations like I, V, K or X edges are easily made and offered. The customer will have their cut and/or bent detail including edge preparation ready to be welded into the customer application.



Table 1

	Max plate size, mm	Max plate thickness, mm	Edge preparation	Angle
Belt grinding machine edging	12 500 x 3 000	40	V-fog, X-fog	0–90°
Plasma cutting machine	13 000 x 3 000	25	V-fog, X-fog	+/- 45°
Edging machine	13 000 x 3 000	50	V-fog, X-fog	20–50°
Water jet cutting machine	6 600 x 3 300	50	V-fog, X-fog	+/- 45°

# Working towards forever.

We work with our customers and partners to create long lasting solutions for the tools of modern life and the world's most critical problems: clean energy, clean water, and efficient infrastructure. Because we believe in a world that lasts forever.

outokumpu classic			outokumpu pro					
<b>Moda</b>	<b>Core</b>	<b>Supra</b>	<b>Forta</b>	<b>Ultra</b>	<b>Dura</b>	<b>Therma</b>	<b>Prodec</b>	<b>Deco</b>
Mildly corrosive environments	Corrosive environments	Highly corrosive environments	Duplex & other high strength	Extremely corrosive environments	High hardness	High service temperatures	Improved machinability	Special surfaces

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high performance stainless steel

