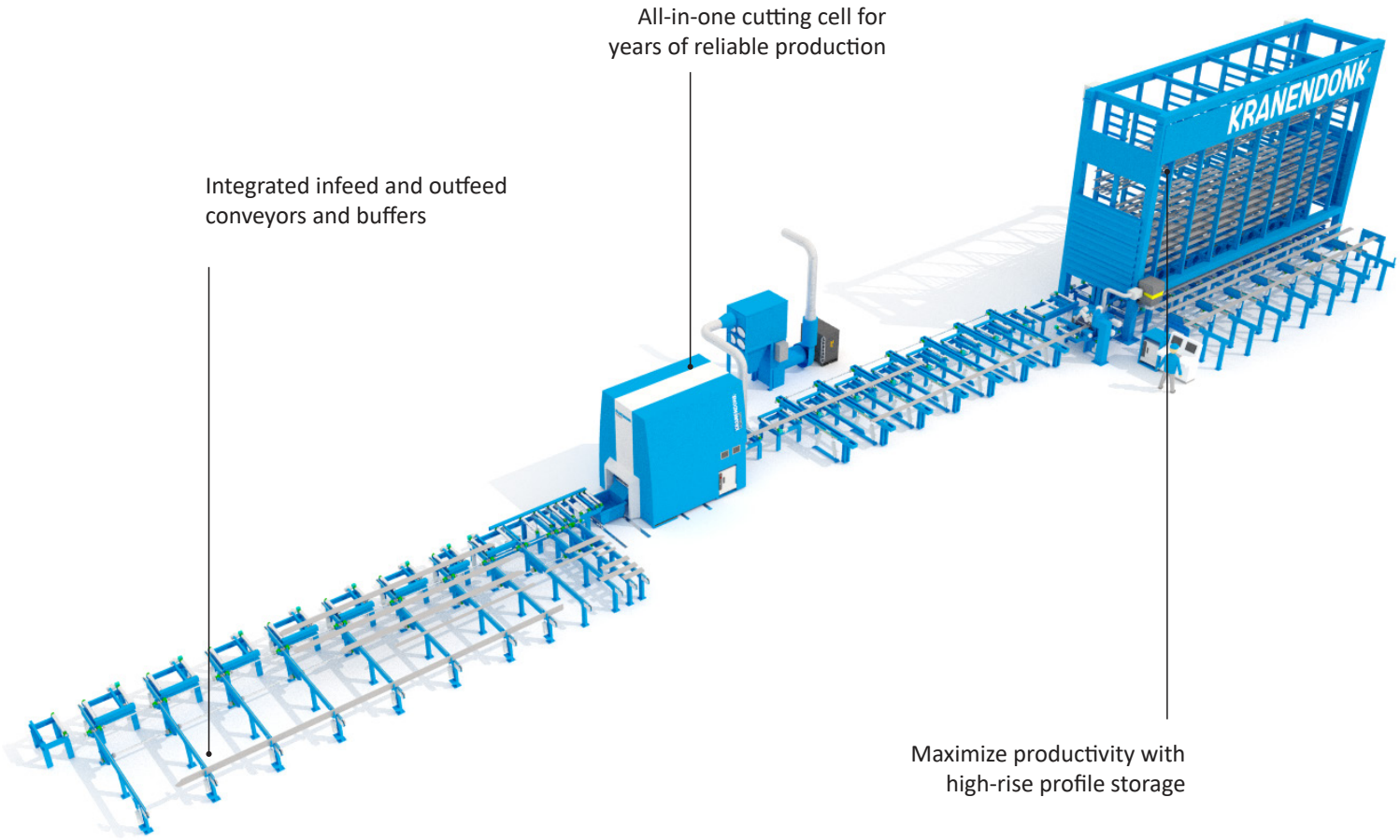


Profile Cutting Line

Reliable cutting concept
Profile Cutting Line is a fast and reliable profile processing solution. Integrated buffers and options such as storage give you a continuous production flow. Any 3D shape can be accurately cut with the robot. The system is based on our 3rd generation CCS cutting cell, resulting in a durable and very reliable machine.

Ease of operation
Profile Cutting Line uses our open software called ARAC, which makes programming of complex cuts easy. Input of parameters can be done manually or retrieved straight from CAD. ARAC also adapts the robot's cutting path to the actual tolerances of each profile, resulting in better fits.

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Fast system, high throughput



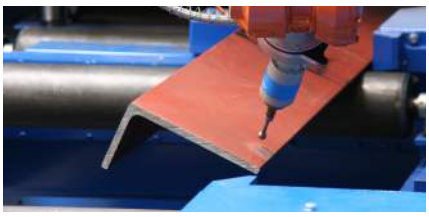
By using in-flow profile positioning, no repositioning of a stopper trolley / pusher is necessary. This reduces cycle time and leads to a higher throughput of profiles.

Accurate and fast process



Every robot of us is laser calibrated, which gives it unmatched accuracy for any 3D shape. Profile Cutting Line is available with high speed plasma cutting and/or OFC.

Adapted to steel deviations



By measuring the profile before cutting, the intelligent software automatically adapts to deviations in the material. More accurate cuts result in better fitting parts and less rework.

Automated operation



Programming of our Profile Cutting Line is fully automated thanks to the CAD-interface with nesting functionality. The software enables the end user to easily create new cuts.

Compact all-in-one design



The compact all-in-one cutting cell requires less floor space than conventional systems. Different cutting and marking options can be integrated into one cutting cell.

Reliable production



Robot sliders are eliminated by using a large and fixed robot and using in-flow profile positioning. This gives reliable production with minimal maintenance and high uptime.

Technical specifications

Cutting cell specifications	CCS 600	CCS 900	CCS 1250
Maximum profile width	600 mm	900 mm	1,250 mm
Maximum profile height	300 mm	300 mm	550 mm
Width of cutting cell	3,000 mm	3,200 mm	3,500 mm
Type of robot	ABB IRB 2600	ABB IRB 2600	ABB IRB 4600
Weight (on roller conveyers)	320 kg/m	500 kg/m	500 kg/m

General specifications	
Typical length	32,000 mm*
Maximum cutting length	Unlimited with multi-cut
Cutting process	plasma and/or oxy-fuel
Absolute accuracy	0.3 mm (laser calibrated)

Profile types



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* Not your size? We customize our equipment to fit your requirements. Get in touch: info@kranendonk.com