



BASELINE

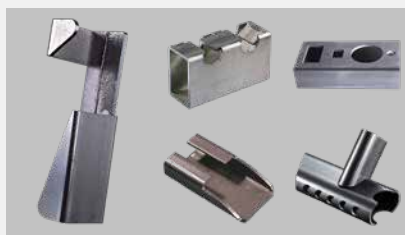
voortman *V842*

LASER CUTTING OF SMALL TO MEDIUM RANGE TUBES



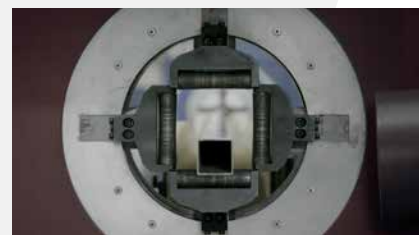
› High precision & clamping

The Voortman V842's automatic centering and clamping system ensures flawless alignment and +/- 0.1mm precision for accurate cuts. Consistent results across tubes and round pipes are achieved, maintaining efficiency even at high speeds.



› Ready products after cutting

Save time and costs, delivering high-quality cuts with clean edges and minimal post-processing, unlike traditional plasma cutting. Enhance operational efficiency and streamline your workflow for immediate, exceptional results.



› Infinite rotating of chucks

The V842's adjustable clamping force securely holds smaller and thinner profiles without distortion, ensuring top-notch quality. It automatically adapts to each profile size and thickness, achieving stable and precise cuts, even with lightweight or fragile tubes.



TECHNICAL SPECIFICATIONS V842

GENERAL

	V842-250	V842-350
Processing window	20 – 240 mm	20 – 340 mm
Max. total positioning weight	400 kg	600 kg
Max. linear positioning weight	45 kg/m	70 kg/m
Max. product length	6, 9 or 12 m	6, 9 or 12 m
Positioning speed	Max. 98 m/min	Max. 98 m/min
Laser power	3, 6 or 12 kW	3, 6 or 12 kW
Max. rotational speed of chucks	100 rpm	100 rpm
Rotational axis travel	Infinite rotating	Infinite rotating
Amount of rotating chucks	3 pcs.	3 pcs.
Positioning accuracy	+/- 0.05 mm	+/- 0.05 mm
Repetitive accuracy	+/- 0.03 mm	+/- 0.03 mm

PROFILE DIMENSIONS

	V842-250	V842-350
Round tubes	Ø20 mm - Ø240 mm	Ø20 mm - Ø340 mm
Square tubes	20 x 20 mm - 240 x 240 mm	20 x 20 mm - 240 x 240 mm
Rectangular tubes	20 x 20 mm - 240 x 100 mm	20 x 20 mm - 260 x 180 mm
U-profiles	50 x 37 mm - 50 x 220 mm	50 x 37 mm - 300 x 89 mm
Angles	30 x 30 mm - 240 x 100 mm	30 x 30 mm - 240 x 240 mm

LASER CUTTING SYSTEM

Oxygen cutting	Yes		
Nitrogen cutting	Yes		
6 kW			
Cutting speed mild steel O2	4 mm	2.600 – 3.600	mm / min
	6 mm	2.200 – 3.200	mm / min
	8 mm	1.200 – 2.700	mm / min
	10 mm	1.100 – 2.300	mm / min
	12 mm	1.000 – 2.100	mm / min
	14 mm	900 – 1.800	mm / min
Cutting speed mild steel N2	4 mm	14.000 – 16.000	mm / min
	5 mm	12.000 – 14.000	mm / min
	6 mm	8.000 – 9.000	mm / min
	8 mm	4.000 – 4.800	mm / min

