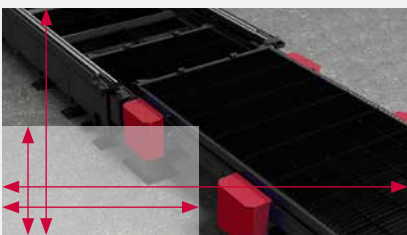




BASELINE

voortman *V342*

ENTRY-LEVEL LASER CUTTING FOR PLATE PROCESSING



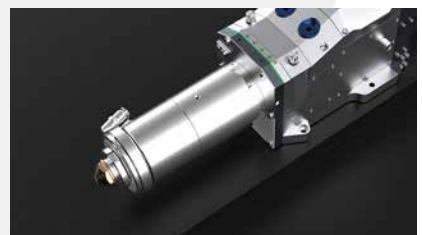
› Small to large format

The Voortman V342 offers a table of 1.500x3.000 mm and 3.000x6.000 mm, accommodating various material sizes. Flexible formats enable large product production, while a smaller working area meets specific production needs and footprint availability.



› Bevel cutting (full flexibility)

The V342's bevel cutting handles 3mm to 50mm thicknesses with ease, producing up to 45-degree weld preparations in various shapes. This versatility, combined with its precision, makes it an excellent choice for any project, ensuring high-quality results.



› High Power cutting head

The cutting head's unique design minimizes energy density, ensuring precision and reducing taper. Real-time control maintains high quality, supporting versatile cutting techniques for exceptional results across various materials and thicknesses.



TECHNICAL SPECIFICATIONS V342

GENERAL

Working range X-axis	3.000 – 6.000 mm
Working range Y-axis	1.500 – 3.000 mm
Laser power	12 – 60 kW
Positioning speed	Max. 200 m/min
Positioning accuracy	+/- 0.06 mm
Repetitive accuracy	+/- 0.02 mm

WORKING AREA

1.500 x 3.000 mm
3.000 x 6.000 mm

MAX. WEIGHT

2.825 kg
11.300 kg

ACCELERATION

Max. 4G
Max. 2.2G

BEVEL CUTTING

NO
YES

LASER CUTTING SYSTEM

Automatic gas console	Yes
Mixed gas support	Yes

12 kW

Cutting speed mild steel O2	6 mm	2.800 – 3.200	mm / min
	12 mm	1.800 – 3.200	mm / min
	25 mm	1.000 – 1.200	mm / min
	30 mm	400 – 1.300	mm / min
	40 mm	200 – 600	mm / min
Cutting speed mild steel N2	6 mm	10.000 – 13.000	mm / min
	12 mm	4.000 – 5.000	mm / min
	16 mm	2.100 – 2.300	mm / min

20 kW

Cutting speed mild steel O2	6 mm	2.600 – 3.200	mm / min
	12 mm	1.900 – 3.400	mm / min
	25 mm	1.200 – 2.800	mm / min
	30 mm	600 – 1.500	mm / min
	40 mm	500 – 900	mm / min
	50 mm	200 – 500	mm / min
	60 mm	130 – 170	mm / min
Cutting speed mild steel N2	6 mm	19.000 – 21.000	mm / min
	12 mm	8.000 – 10.000	mm / min
	16 mm	5.000 – 7.000	mm / min
	20 mm	2.500 – 4.000	mm / min

30 kW

Cutting speed mild steel O2	6 mm	2.900 – 3.200	mm / min
	12 mm	1.900 – 3.400	mm / min
	25 mm	1.200 – 2.500	mm / min
	30 mm	600 – 2.400	mm / min
	40 mm	500 – 1.400	mm / min
	50 mm	200 – 900	mm / min
	60 mm	130 – 800	mm / min
	70 mm	100 – 600	mm / min
	80 mm	100 – 300	mm / min
Cutting speed mild steel N2	6 mm	19.000 – 21.000	mm / min
	12 mm	9.000 – 11.000	mm / min
	16 mm	6.000 – 9.000	mm / min
	20 mm	3.500 – 6.500	mm / min
	25 mm	2.500 – 4.500	mm / min



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