

MBU - MOBILE BLASTING UNIT

Generation 4.0

ROBOT CONFIGURATION / HORIZONTAL BOOM

Axis	Function	Max. move	Max. Speed	Type
Axis 1	Vehicle drive	Configurable	0,6 m/s	Lin.
Axis 2	Vehicle turn (both axels)	+/-30°	5,5°/s	Rot.
Axis 3	Linear movement	13 000 mm	0,4 m/s	Lin.
Axis 4	Nozzle	65°	180°/s	Rot.

VEHICLE

Weight	4 100 kg
Length	5 000 mm
Width	2 600 mm
Height	1 700 mm

HORIZONTAL BOOM

Weight	1 200 kg
Length	800 mm
Width	7 000 / 13 000 mm
The extensions to the boom	3,000 mm
Height	1 500 mm

TECHNICAL

Voltage	380-500V 50/60Hz
Control Voltage	24 VDC
Power Supply	80 Amp
Sealing	IP65
Assembly	On Wheels

ROBOT CONFIGURATION / ARM

Axis	Function	Max. move	Max. Speed	Type
Axis 1	Vehicle drive	Configurable	0,6 m/s	Lin.
Axis 2	Vehicle turn (both axels)	+/-30°	5,5°/s	Rot.
Axis 3	Linear movement	13 000 mm	0,4 m/s	Lin.
Axis 4	Arm rotation	180°	25,2°/s	Rot.
Axis 5	Shoulder	175°	21,5°/s	Rot.
Axis 6	Elbow	225°	19,9°/s	Rot.
Axis 7	Arm head	360°	180°/s	Rot.
Axis 8	Nozzle	270°	215 °/s	Rot.

OPERATION MODES

Manual
Automatic
Parameter based automatic

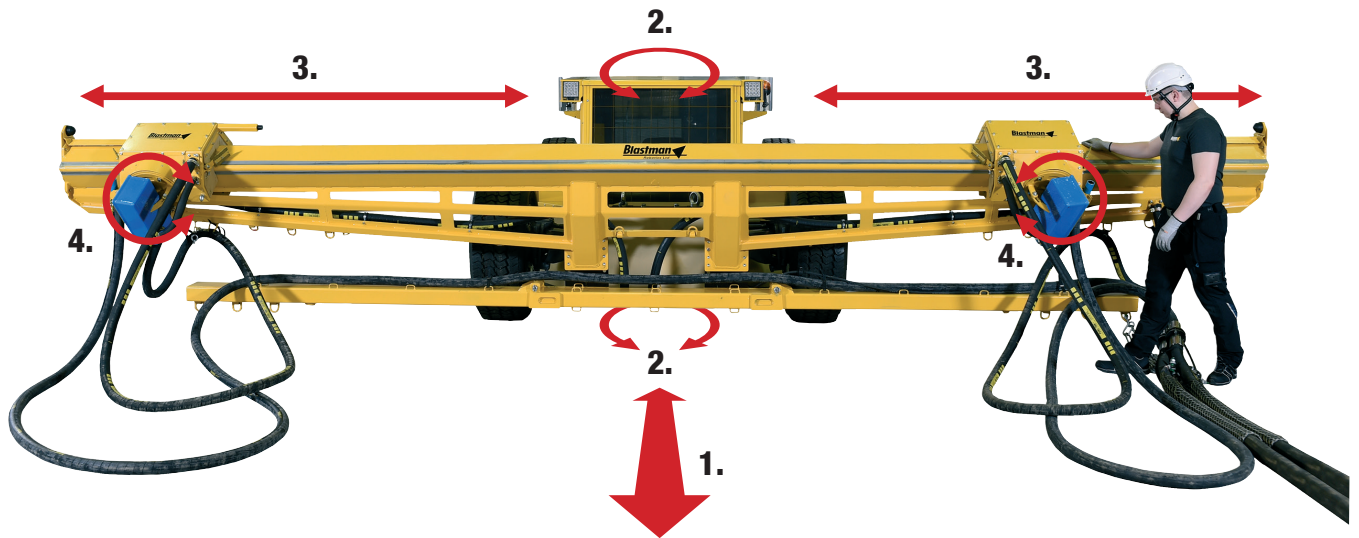
TEACHING METHODS

Teach In
PTP
Offline
Parameter based (option)

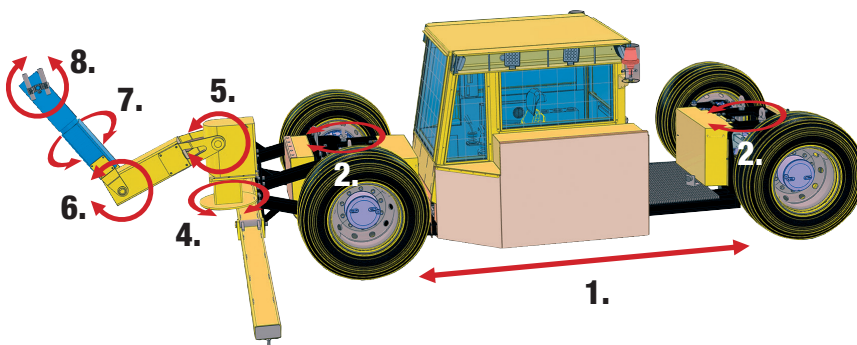
OPERATIONAL PARAM.

Nozzle diam.	13 - 19 mm
Nozzle diam.	1/4" - 3/4"
No. Of Nozzles	1 or 2
Air Pressure	4 - 11 bar
Air Pressure	50 - 150 PSI
Cleaning rate200 m ² /h
Cleaning rate2150 ft ² /h

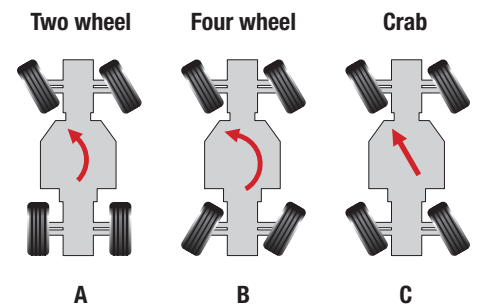
BLASTMAN MBU / HORIZONTAL BOOM



BLASTMAN MBU / ARM



STEERING OPTIONS



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