

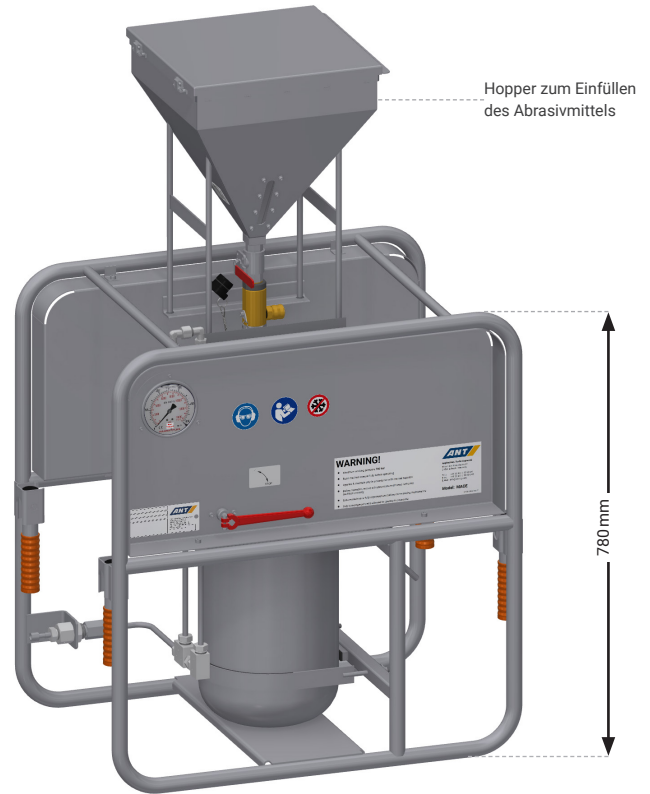
## AMU 700-12 Abrasive Mixing Unit

The AMU 700-12 is an abrasive mixing unit and part of a water jet cutting system for safe and efficient cutting using the water abrasive suspension (WAS) technique.

It is particularly suitable for mobile applications.

### General Information

Maximum pressure	700 bar (10.000 PSI)
Pressure vessel	Stainless steel Volume: 12 l (3.178 US gallons) Capacity: 14 kg (30.86 lbs) abrasive
Operation pressure valves	Manual
Weight	115 kg (253.5 lbs) empty
Size (L x B x H)	725 mm x 500 mm x 780 mm (28.5 in x 20 in x 31 in) (without hopper)
Safety Device	Rupture disc assembly



### Operating Parameters

Maximum working pressure	700 bar (10.000 PSI)
Water flow	max. 6 l/min (1.58 US gallons/min)
Nozzle size	0,6 mm
Hydraulic power at the nozzle	7 kW
Abrasive	Garnet sand 80 Mesh
Abrasive concentration	approx. 12 % (mass)
Cutting time per filling	20 min

### Cutting performance

in air for mild steel S355 in mobile application with precise cutting device	
Material thickness	Cutting speed
10 mm (0.39 in)	115 mm/min (4.53 ipm)
25 mm (0.98 in)	45 mm/min (1.77 ipm)
50 mm (1.97 in)	20 mm/min (0.79 ipm)

### Connections

Water inlet	Quick release coupling
Suspension outlet	Quick release coupling
Electric power	n/a

