

Waterjet/Plasma cutting machine type SM-S & SM-M

Best
Quality

Made in
EU
★★★



SM-M 3020

TCI waterjet-/plasma cutting machines type SM-S & SM-M are innovative, flexible combination machines of extremely high quality, manufactured in Spain, using the newest technology for product optimization. The machines can handle all types of jobs, and you have the possibility of using two independent cutting arms, located in two different work areas.

The SM-M series machine allows both the installation of a second independent cutting table as well as the extension of the main cutting table, thereby maximizing performance.

SM-M also offers the option of enclosure to facilitate clean and silent functioning and occupying minimal space.

A plasma head can be built onto type SM-S.

The machines are very profitable, especially due to the fact that you can run several work processes simultaneously.

Type SM-S & SM-M come with various high-pressure pumps and various cutting heads depending on the job to be carried out and the material.



SM-S 6020

Type	Max. thickness	Max. load	Cutting heads	Positioning speed	Max. cutting speed	Max. tolerance	Repeatability precision	Dimension
	mm	kg/m ²	Stk.	m/min.	m/min.	mm/m	mm/m	mm
SM-S 3015	200	790	1	85	20	± 0,05	± 0,025	3000x1500x200
SM-S 3020	200	790	1	85	20	± 0,05	± 0,025	3000x2000x200
SM-S 4020	200	790	1	85	20	± 0,05	± 0,025	4000x2000x200
SM-S 6020	200	790	1	85	20	± 0,05	± 0,025	6000x2000x200
SM-M 3015	200	790	1-2	85	20	± 0,05	± 0,025	3000x1500x200
SM-M 3020	200	790	1-2	85	20	± 0,05	± 0,025	3000x2000x200
SM-M 4020	200	790	1-2	85	20	± 0,05	± 0,025	4000x2000x200
SM-M 6020	200	790	1-2	85	20	± 0,05	± 0,025	6000x2000x200

Waterjet/Plasma cutting machine type SM & BP

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Direct Drive 3800 waterjet pump

The use of Direct Drive waterjet pumps is recommended for use in applications where the flow rate rather than the actual pressure is most important, especially with low pressure multiple-head applications. This type of pump uses an electric motor to turn the crankshaft attached to 3 or more pistons which generate the pressure and the water flow. Cooling equipment not required. Suitable for low pressure cutting where delamination occurs. Work pressure up to 3800 bar.

SL-V Plus 4100 waterjet pump

The latest generation of SL-V Plus waterjet pumps offers the most advanced waterjet technology with working pressures up to 4100 bar, allowing cutting with the highest speeds and achieving the cleanest cuts.

Streamline PRO 6200 waterjet pump

Streamline PRO 6200 offer a new range of products, which provide a breakthrough in the world of waterjet cutting. "PRO" stands for waterjet cutting technology with working pressures up to 6500 bar. It contains all the components necessary for this, from the generation of high pressure to the nozzle, which directs the waterjet onto the selected material. The pressure of 6200 bar is an increase of almost 50% compared to conventional pressure ranges.



Direct Drive 3800



SL-V Plus 4100



Streamline PRO 6200

Type	Nominal power	Working pressure	Max. water flow	LxBxH	Weight	Max. no. nozzles (Ø mm)		
						0,25	0,30	0,35
	HP	bar	l/m	mm	kg			
DD 3800	30	op til 3500	3,1	1400x1000x1600	450	2	1	1
DD 3800	40	op til 3800	6,4	1860x1300x1700	730	3	2	2

Type	Nominal power	Working pressure	Max. water flow	Accum. capacity	Tank capacity	LxBxH	Weight	Max. no. nozzles (Ø mm)			
								0,17	0,25	0,33	0,35
	HK	bar	l/m	l	l	mm	kg				
SL-V 4100	30	500-4136	2,6	1	150	1689x1114x1477	1131	2	1	-	-
SL-V 4100	40	500-3800	2,7	1	144	1436x1167x1005	975	3	1	-	-
SL-V 4100	50	500-3800	4,3	1	150	1689x1114x1477	1302	4	2	1	1
SL-V 4100	50 P	500-4136	4,1	2	150	1689x1114x1477	1324	4	2	1	1
SL-V 4100	100	500-4136	7,6	2	211	2095x1320x1508	2128	8	4	2	2
PRO 6200	60	800-6200	2,8	1,6	211	2095x1320x1973	2130	2	1	-	-
PRO 6200	125	800-6200	6,0	1,6	416	2238x1500x1552	3107	5	2	1	1

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Optional equipment:



5-axis cutting head, 90° angle cutting, 3D, patented design, full rotation.



Automatic abrasive regulator. Stops automatically when the abrasive has been used up.



Autonomous "non-return" system, prevents water and abrasive from rising up if jammed during the cutting process.



Electronic collision system for the cutting heads, stops the machine before damages occur.



Automatic pneumatic dosing of abrasive incl. sensor. Capacity 200 L.



Equipment for pre-drilling of fragile and multi-laminated composites. Possible to mount different drill bit diameters.



Fully automatic sludge cleaning system. Collects sludge, separates water from the sludge and recirculates it back into the tank.



Water cooling system for hydraulic oil of the intensifier pumps with a closed water circuit.



2000 kg hopper for machines with high production output.



Water treatment equipment. Conditions the water before entering the intensifier.



Height regulation system ensures constant distance between the nozzle and the cutting material, enabling cutting in uneven surfaces.



Laser pointer



Jet Control - eliminates conicity on parts by means of tangential cutting function programmed in the CNC system to transform it to 5 axes.