

# AUTOMATIC GRINDING



## SAM: FLEXIBLE GRINDING MACHINES

SAM flexible grinding machines are particularly suited to the production of small and medium-sized production batches, for parts with a unitary weight of between 1 kg (2.2 lb) and 800 kg (1764 lb). The remarkable flexibility of the range enables the complete grinding of the part in the machine, as well as facilitating rapid change-over while the machine is running and easy off-line programming.

SAM automatic grinding machines offer high levels of rigidity and excellent material removal capacity, with spindle power from 3 kW (4 hp) to 150 kW (200 hp).

As an optional extra, SAM machines can be fitted with a laser to match the part being processed; in this way, it is possible to monitor and compensate automatically the tolerance of the casting, achieving an increase in the added value conferred upon the part due to the greater precision of the processing operation and, therefore, of the ground part.

Moreover, SAM machines are able to cut the risers automatically for parts up to 800 kg (1764 lb), thus reducing significantly the cost of the operation.

	Max. part weight		Swing		Max. part height	
	kg	lb	mm	inch	mm	inch
SAM JB 300	30	66	450	18	250	10
SAM JB 600-G	150	330	850	34	450	18
SAM JB 1200-L	300	660	1250	49	650	26
SAM JB 1600-U	800	1764	1600	63	800	32
SAM JB 2000-U	600	1322	2000	80	800	32

