

AUTOMATIC GRINDING



SAM AUTO: GRINDING CELLS FOR AUTOMOTIVE

Globalisation demands that ever-greater attention be focused on the reduction of cost - an objective that can be reached to the automation of the processes of forming, the production of cores and other and other operations, since grinding is one of the most expensive manufacturing operation and also because it is so difficult to source the specialist manpower required.

MAUS offers a range of grinding machines and cells called SAM AUTO, which afford the possibility

for small- medium and large production batches at the lowest cost per part and with the fastest cycle time up to 500 parts per hour for brake discs and up to 300 parts per hour for engine blocks.

The parts processed by the SAM AUTO range are: engine blocks and heads, crankshafts, turbochargers, exhaust manifolds, brake discs and drums and wheel hubs.

Based on the size of the production batch, MAUS proposes solution with SAM-series machines or with grinding cells and lines that are custom-designed to meet the specific requirements of the project. These systems can be equipped with automatic loading and unloading of parts, tool magazines and other features to reduce the intervention of the operator to the minimum.

	Max. part weight		Swing		Max. part height	
	kg	lb	mm	inch	mm	inch
SAM 300-D	60	132	500	20	300	12
SAM 500-P	120	265	650	26	450	18
SAM 1000-P	300	660	800	32	600	24
SAM-HV	150	330	700	28	500	20
SAM-HD	800	1764	1500	60	800	32

