



C. M. SURFACE TREATMENT S.p.A.

Wheel type shot blasting and shot peening machines
Granigliatrici e pallinatrici a turbina



<CM> AUTOMATIC WHEEL BLAST CLEANING SYSTEM FOR EXTRUSION DIES

MODEL	WORKING DIMENSIONS		A	B	C	LOAD MAX*
	D (mm)	H (mm)	mm	mm	mm	kg
T5	500	350	2705	1530	1440	250
T10	1000	450	2950	2020	2225	900
T14	1400	500	3360	2440	2620	1400
T18	1800	500	3470	2860	3375	1800

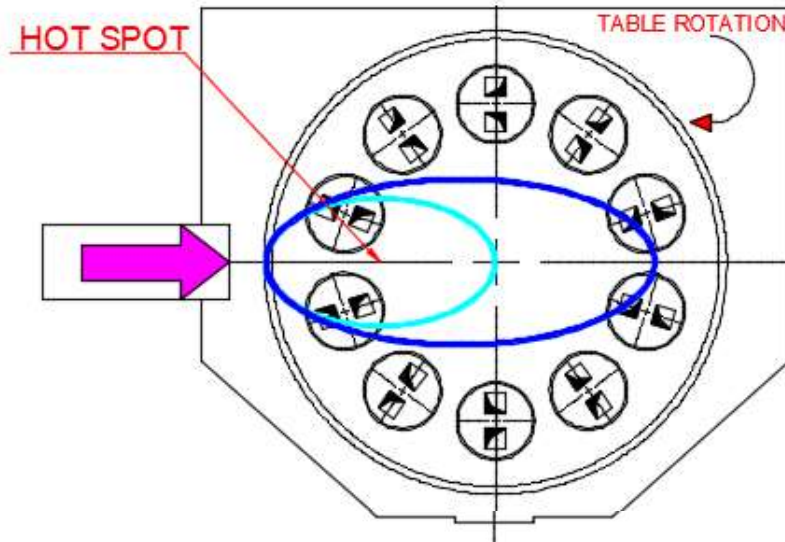
* heavy duty versions available



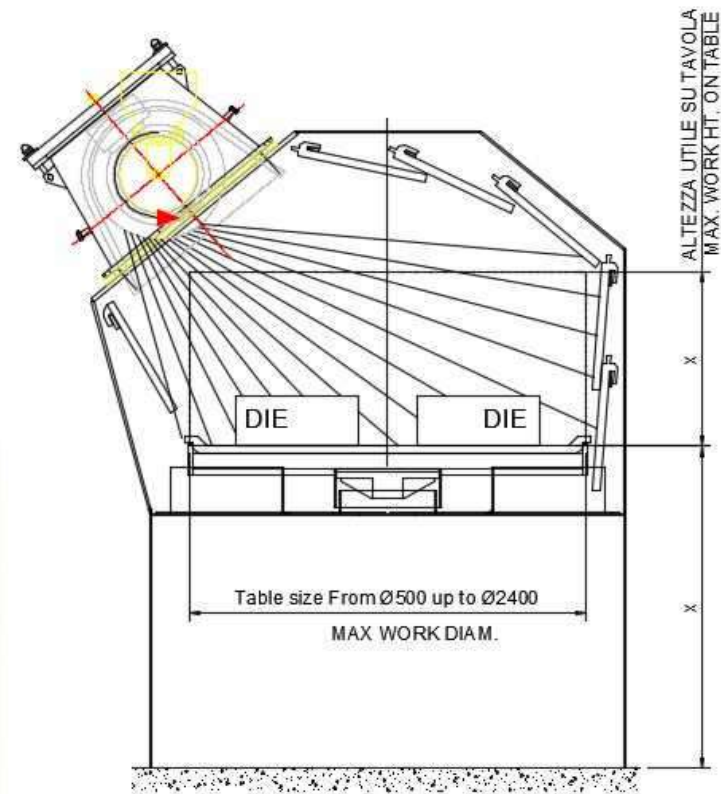


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SCHEMA LANCIO
BLAST PATTERN





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DESCRIPTION	C.M. T10
WORKS SPACE (mm)	Ø 1000 x H 450
POWER OF EQUIPMENT	8 kWh
ELECTRECITY COSTS	2.9 USD/kWh
ABRASIVE CONSUMPTION per effective hourly blasting	0.4 Kgs/hour
ABRASIVE COST	2.94 USD/hour
OPERATOR REQUIRED	1 (only to charge and discharge, 30% of the time)
OPERATOR COST/HOUR	6.2 USD/hour
CLEANING CAPACITY: COMPLETE DIES per hour. Dies size D.240 mm	40 Dies/hour
MACHINE OPERATIVE COST	25-29 USD/hour
COST OF CLEANING PER DIES	0,22-0,25 USD/DIE





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<C.M.> Turbine components





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COMPARISON: Manual sand blasting vs <C.M.>





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COMPARISON: Manual sand blasting vs <C.M.>

DESCRIPTION	C.M. T10	Sand blasting machine cabined
WORKS SPACE (mm)	Ø 1000 x H 450	L 850 x W 800 x H 800
POWER OF EQUIPMENT	8 kWh	14 kWh
ELECTRECITY COSTS	2.9 USD/kWh	2,9 USD/kWh
ABRASIVE CONSUMPTION per effective hourly blasting	0.4 Kgs/hour	7 Kgs/hour
ABRASIVE COST	2.94 USD/hour	10 USD/hour
OPERATOR REQUIRED	1 (only to charge and discharge, 30% of the time)	1 (100% of the time)
OPERATOR COST/HOUR	6.2 USD/hour	6,2 USD/hour
CLEANING CAPACITY: COMPLETE DIES per hour. Dies size D.240 mm	40 Dies/hour	20 Dies/hour
MACHINE OPERATIVE COST	25-29 USD/hour	56-60 USD/hour
COST OF CLEANING PER DIES	0,22-0,25 USDU/DIE	2,8-3,0 USD/Die



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Key point for comparison <C.M.> and manual sand blasting:

- Fast cleaning cycle (2-3 minutes)
- No damage no wear
- Cleaning of one or more dies at same time
- Airless process, dry, without solvents or detergents
- Extremely reduction of maintenance costs
- No limits to dies size and shape
- Manual labour required only for load and unload
- More than 600 machines supplied on alumium extruders



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BEFORE



AFTER

