

mulini a cilindri

serie

RM-H

To crush even the hardest materials with small granulometry to obtain sands and fine products with the lowest production costs.

The top features :

- low wear
- simplified and reduced maintenance
- low installed power
- high specific performance
- easy setting
- compact design for easy installation

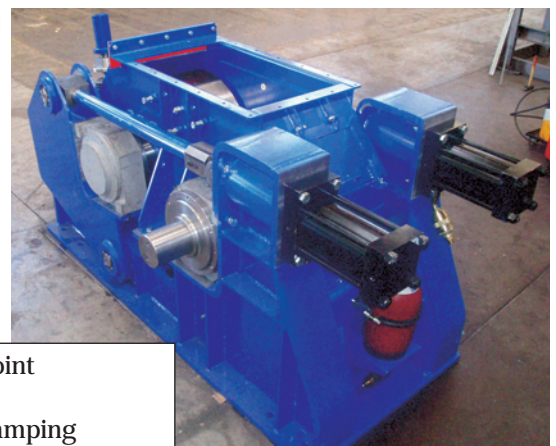
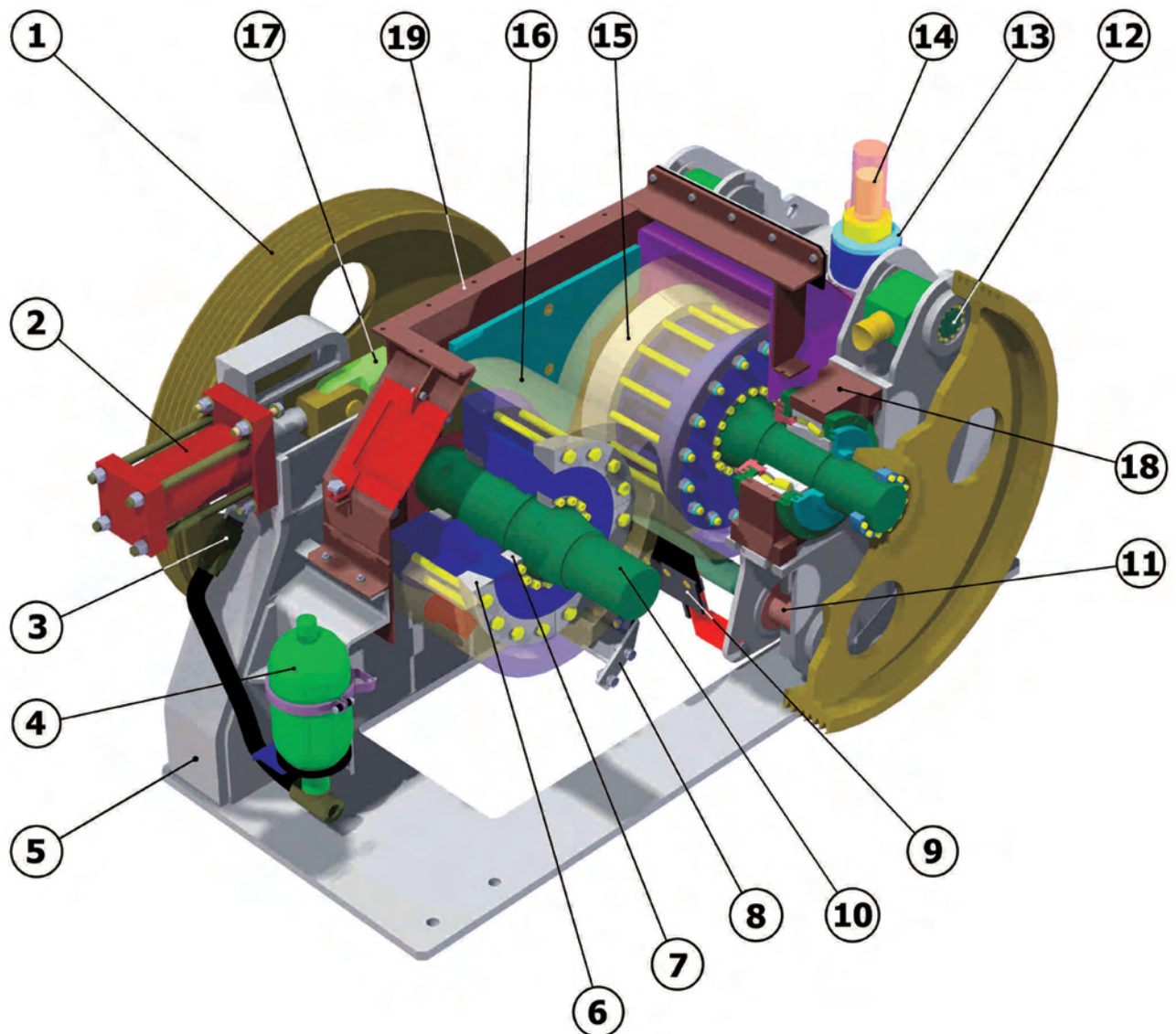
The machine has a very strong and sturdy structure that gives to the assembly a very high stiffness so assuring to keep the slot setting of the crushing rolls and the product constant even under the hardest working conditions. This is also thanks to the particular articulation of the mobile setting roll and to the powerful hydraulic cylinders of the mill. The roll mills are particularly suitable in all the industrial applications where is required an high reduction ratio together with a small production of filler.

The material to be processed, wedge in between the counter-rotating rolls and is crushed by compression, the reaction, that tries to open the mobile roll, is bucked by two hydraulic cylinders that, pulling on two tie rods, prevent to the machine to open with a force equal to the crushing strength of the material itself.

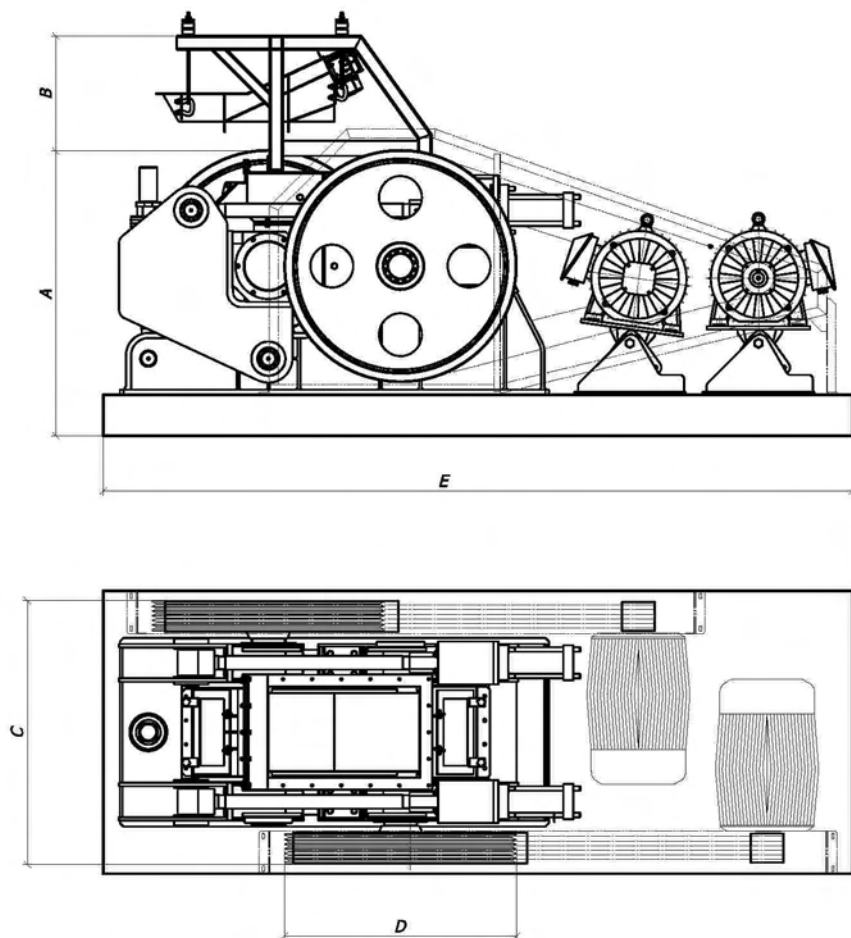
The hydraulic circuit, set at the needed crushing pressure by means of the hydraulic unit is closed on a hydraulic accumulator with internal pressure of nitrogen at 70 bar. In case the pressure of the circuit should overshoot this set value, for example for the accidental introduction in the crushing chamber of a piece of iron, the oil will flow back into the accumulator leaving the mobile roll free to open up to 150 mm and to the undesired object to exit. At that moment the pressure of the circuit will decrease and the oil will flow again into the cylinders resetting the normal operative conditions.

TYPICAL APPLICATIONS :

- crushing of granulates in short granulometric range (ex. 2-4 mm, 3-8 mm, 8-12 mm, 12-15 mm) to produce sand
- shots grinding
- refractory materials crushing
- coal and coke crushing



- | | |
|------------------------------|--|
| 1 flywheel/pulley | 11 swivelling body articulated joint |
| 2 hydraulic cylinder | 12 bucking tie rod joint |
| 3 throttle valve | 13 rubber puffer for vibration damping |
| 4 nitrogen accumulator | 14 bucking tie rod joint |
| 5 mill bed | 15 blocks and locking ties |
| 6 blocks and locking ties | 16 special wear resistant steel roll |
| 7 shaft conical locking unit | 17 crushing tie rod |
| 8 fix roll scraper | 18 support |
| 9 swivelling roll scraper | 19 upper enclosure |
| 10 shaft | |



MODEL	Crushing rolls diameter	Crushing rolls width	Max crushing strenght	Rolls revolution speed	Rolls peripheral speed	Feed granulometry	Installed power (n°2 motor)	Mill weight	A	B	C	D	E
	[mm]	[mm]	[kN]	[giri/1']	[m/s]	[mm]	[kW]	[kg]	[mm]	[mm]	[mm]	[mm]	[mm]
RM 30/18 H	790	470	640	130-185	6-8	2-18	2 x 45-55	8750	1660	670	1540	1350	4370
RM 40/24 H	1000	610	830	110-150	6-8	2-25	2 x 55-75	15800	2200	890	2050	1800	5800



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