



DESTROYING MANIPULATORS TYPE ROMAN

ROMAN 01

This universal manipulator is designed for breaking, destroying and dividing of very hard materials such as slag, concrete, etc. The device works especially in steelworks during slag destroying and masonry destroying of soaking pits, ladles, etc. The advantage of this manipulator is that machine can work in the most difficult conditions such as radiant heat, dust, etc.



ROMAN 02/B

This type of destroying manipulator is mainly used for the destruction of worn-out refractory linings and ladle skulls. The manipulator is equipped with a telescopic arm, at the end of it is a hydraulic hammer, which serves to destroying of furnace lining in the 360 degree range. The robust machine construction allows to carry a vibrating device. The machine is controlled by remote control up to 20 m. For its small dimensions and great stability in uneven terrain is suitable for working in a small space.



ROMAN 02/C

The manipulator is also used for the destruction of worn-out refractory linings and ladle skulls. It is a newer and bigger model than the ROMAN 02/B, with higher output. The advantage of this manipulator is that, it can work in the most difficult conditions, such as radiant heat, and dust and must operate at max. temperature of about 80 degree. The manipulator is equipped with a telescopic arm, at the end of it is a hydraulic hammer, which serves to destroying of furnace lining in the 360 degree range. The machine is controlled by remote control.



All these devices are developed and manufactured in our company. We are able to adjust each model parameters acc. to customer requirements and the environment in which the machine will operate.

REFERENCE: TŘINECKÉ ŽELEZÁRNY, a.s., Arcelor Mittal, US Steel Košice



DESTROYING MANIPULATOR ROMAN 02/16



Strojírny a stavby Třinec a.s. for a long time work develop and product destroying and demolition manipulators for metallurgical plants. Manipulator is used for demolishing of wore refractory lining of ladles, torpedo cars, blast furnace runners, soaking pits and others. According to the purpose of usage, we are able to customize all technical parameters.

Application of manipulator into production will significantly increase labor productivity and eliminate heavy and unhealthy labor.

ROMAN 02 /16

This innovative type of destroying manipulator is used for demolishing of wore refractory linings and skulls inside torpedo cars, which are used for transport of liquid pig iron.

This type of manipulator is especially designed for small and confident areas, where it is not possible to use different mechanization. For this reason, the hydraulic aggregate is located outside of the machine. The machine is controlled by a remote control up to 20 meters away. The manipulator is provided with a telescopic arm, on whose end is a hydraulic hammer, which is used for destroying of furnace lining in the range of 360°.



Technical parameters			
Dimensions	2692 x 1040 x 1488 mm	Swing range of arm	62°
Weight	2288 kg	Swing range of hammer	100°
Travel speed	0,1 m/s	Reach of hammer up	2 400 mm
Rotation speed of arm	6 rpm	Reach of hammer down	1 200 mm
Turning range of arm	360°	Max. ambient temper.	60°

REFERENCE: TŘINECKÉ ŽELEZÁRNY, a.s.

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