



## DESTROYING MANIPULATOR TYPE ROMAN 01/18



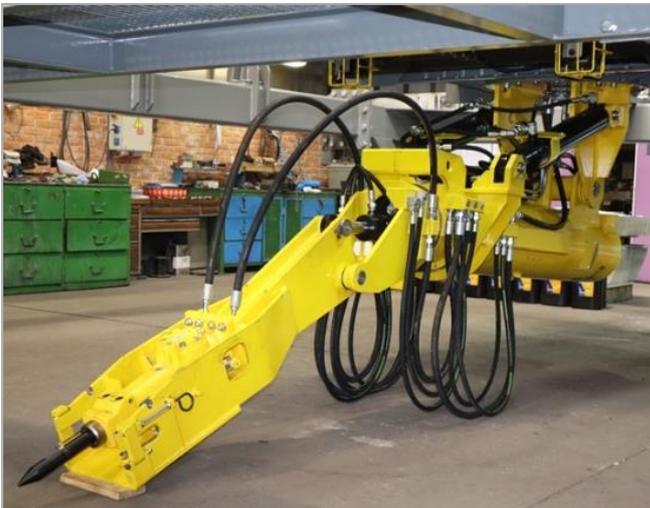
**Strojírny a stavby Třinec a.s.** has long been engaged in the design and manufacture of destroying and demolition manipulators for metallurgical plants for breaking down furnace linings of ladles, discharge troughs of blast furnaces, pit furnaces, torpedo mixers, etc. We are able to adapt all the technical parameters of the machine according to the purpose of its use.

**Deploying the manipulator in production will increase work productivity and eliminate hard and harmful work.**

### ROMAN 01 /18

The manipulator is intended for breaking down and raking old heat lining inside cooled pit furnaces using a remote control.

To break down worn lining, the manipulator uses a movable working arm that can rotate around the vertical axis, move upwards and downwards and also extend. The hydraulic hammer or bucket is located at the end of the arm. The entire main part of the manipulator with a pressure unit is located in a supporting frame above a furnace.

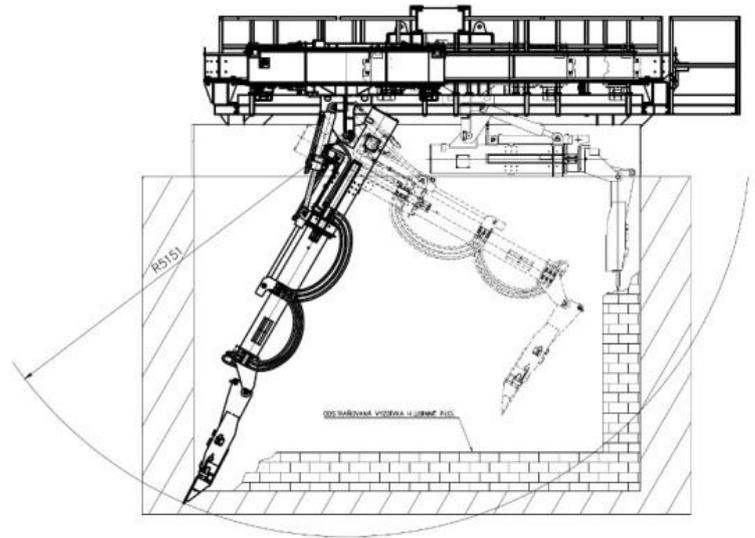
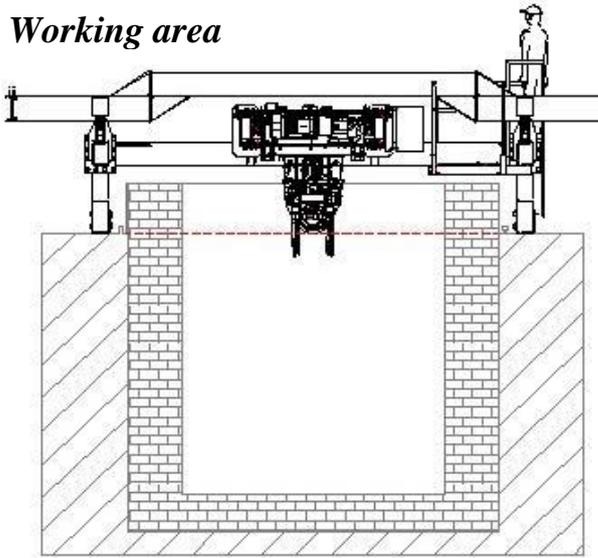


#### Technical parameters

<b>Dimensions</b>	5950x6828x2331 mm <i>(above furnace, without crossbeam)</i>	5950/6828/2731 <i>(during storage, without crossbeam)</i>	
<b>Weight</b>	12,710 kg	<b>Arm swing</b>	135°
<b>Feed rate</b>	0.1 m/s	<b>Hammer swing</b>	112°
<b>Arm rotation speed</b>	6 rpm	<b>Machine feed</b>	2400 mm
<b>Arm rotation range</b>	360°	<b>Operating temperature</b>	+5 °C to +40 °C
<b>Manipulator power feeding</b>	400 VAC, 50 Hz		



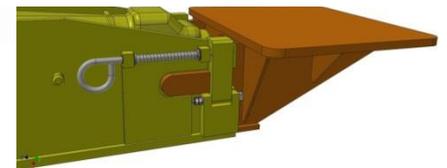
*Working area*



The manipulator contains a rotary hydraulic motor for rotating the arm and seven linear hydraulic motors for the movements of the arm, the hydraulic hammer, and for machine travel.



*The working arm in its extended position with the hydraulic hammer*



*An additional bucket, inserted into the hammer carrier.*



The machine has been designed and manufactured in our company. Its individual models are adapted to the customer's requirements and the environment in which they work.

**REFERENCES:** TŘINECKÉ ŽELEZÁRNY, a.s., Liberty Ostrava, US Steel Košice

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