



mobile and railbound
forging manipulators



Revas Technologies

Revas Technologies operates in the field of design, manufacture, supply and commissioning of a wide range of machinery, equipment and plants for steelmaking industry (meltshop, continuous casting, rolling mill, forging, material handling).



Revas Technologies designs and manufactures

MOBILE MANIPULATORS
(SERIES REVAS MHM)

RAIL-BOUND MANIPULATOR
(SERIES REVAS MHR)

MOBILE MANIPULATORS (SERIES REVAS MHM)

Lifting capacity from 1 to 50 tons.

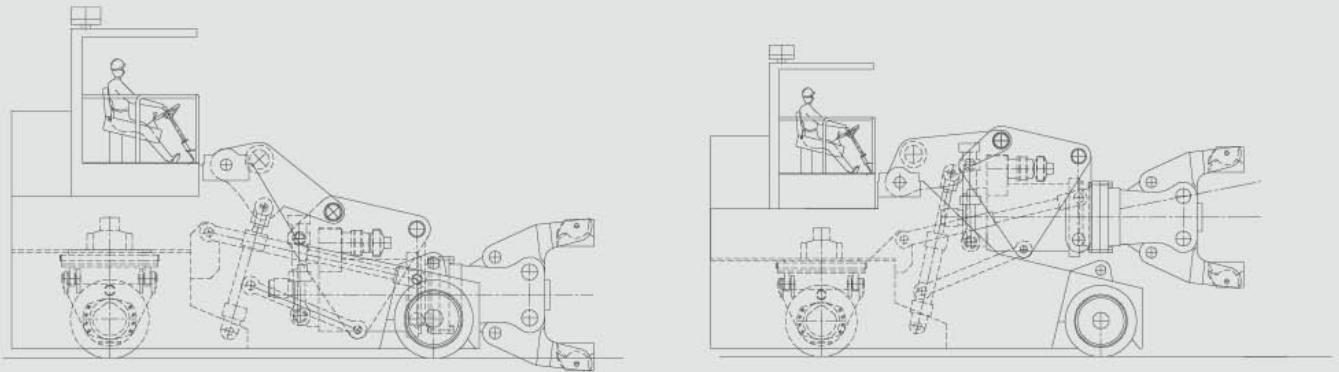
Suitable for open-die forging operations and for ingot transfer from the preheating furnace to the press and from the press to the cooling warehouse.

The REVAS manipulators are designed to be sturdy, compact and maneuverable so that they can work in the harshest conditions and in limited spaces.

The operator has a wide range of vision in all directions; air-conditioned cabin on request.

Semi-automatic work cycles on request; closing force variable control. Vertical and horizontal spring systems for shock absorption.

The hydraulic pumps can be driven by electric motors or diesel engines.



SIZE	MHM 1-2	MHM 2-4	MHM 3-6	MHM 6-12	MHM 10-20	MHM 15-30	MHM 20-40	MHM 25-50	MHM 30-60
Max capacity (kg)	1.000	2.000	4.000	6.000	10.000	15.000	20.000	25.000	30.000
Tilting moment max load (ton m)	2	4	8	12	20	30	40	50	60
Stability coeff. (with max load)	2	2	2	2	2	2	2	2	2
Translation max speed (m/min)	80	80	80	80	80	80	80	80	72
Clamp rpm max	45	45	45	45	45	45	45	45	32
Electrical power (electrical manipulator) kW	15	30	55	75	135	200	275	300	360
Diesel motor power (diesel manipulator) kW	18	36	70	100	175	260	340	400	none
Max pressure (bar)	200	200	200	200	200	200	200	200	200
Diameter max opening clamp (mm)	400	500	660	820	1.000	1.250	1.350	1.400	1.500
Opening max for square product (mm)	340	420	560	560	820	1.020	1.150	1.180	1.220
Opening min for round and square product (mm)	80	90	130	170	200	260	280	300	320
Width max (mm)	1.350	1.720	2.290	2.770	3.400	3.500	3.560	3.600	3.850
Length max (mm)	3.000	3.600	4.100	4.600	6.150	6.780	7.400	7.700	8.200
Steering radius min (mm)	2.340	2.700	3.350	4.050	4.550	4.800	5.325	5.730	6.100
2 motor steering wheels – diameter (mm)	340	470	630	760	850	940	1.020	1.050	1.100
2 front idle wheels – diameter (mm)	340	470	630	760	850	940	1.020	1.050	1.100
Height max (parallel clamp) (mm)	766	1.050	1.400	1.690	1.880	1.950	2.000	2.190	2.140
Height min (parallel clamp) (mm)	350	500	500	590	600	750	800	900	850
Spindle tilting (down to ground from parallel clamp) (deg)	14	14	12	14	10	12	12	7	13
Spindle tilting (above from parallel clamp) (deg)	11	11	11	11	11	11	11	11	11
Total weight (kg)	3.500	7.100	14.200	23.000	39.800	59.000	79.000	98.000	118.000

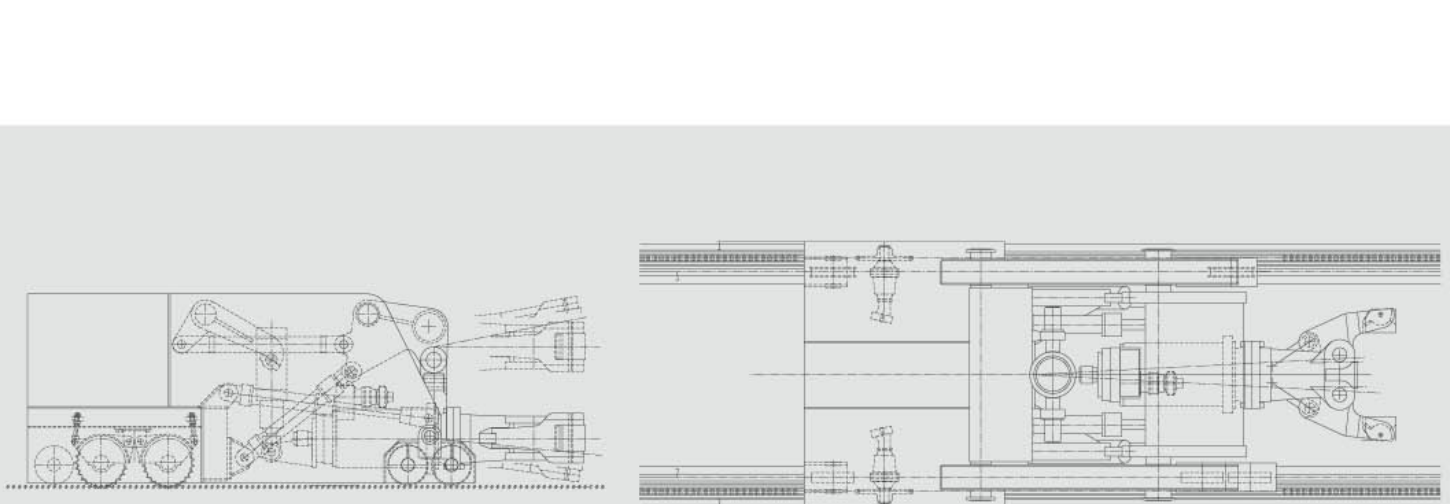
RAIL-BOUND MANIPULATOR (SERIES REVAS MHR)

Lifting capacity from 6 to 60 tons.

Designed to be the complementary working partner of computerized control forging presses.

They ensure reliability and repeatability of forging cycles, reducing machining allowances and guaranteeing high surface quality.

High rotating and traversing speeds mean shorter forging times and reduction of reheating cycle number.



SIZE	MHR 6-12	MHR 10-20	MHR 15-30	MHR 20-40	MHR 30-60	MHR 40-80	MHR 50-100	MHR 60-120
Max capacity (kg)	6.000	10.000	15.000	20.000	30.000	40.000	50.000	60.000
Tilting moment max load	12	20	30	40	60	80	100	120
Stability coeff. (with max load)	2	2	2	2	2	2	2	2
Translation max speed	80	80	80	80	80	80	80	80
Clamp rpm max	30	30	30	30	30	30	30	30
Electrical power (electrical manipulator)	70	130	170	225	330	450	600	670
Max pressure	200	200	200	200	200	200	200	200
Diameter max opening clamp	820	1.000	1.250	1.350	1.500	1.750	1.950	2.100
Opening max for square product	680	820	1.020	1.150	1.220	1.400	1.610	1.800
Opening min for round and square product	170	200	260	280	320	400	500	650
Width max	2.500	3.000	3.700	3.900	4.350	4.805	5.120	5.300
Length max	5.200	6.400	8.500	8.900	10.000	11.200	12.000	13.600
4 motor steering wheels – diameter	470	580	725	770	870	950	995	1.110
4 front idle wheels – diameter	450	575	575	615	690	760	790	870
Height max (parallel clamp)	1.750	1.850	2.100	2.250	2.500	2.700	2.800	2.800
Height min (parallel clamp)	600	600	750	800	850	900	950	950
Spindle tilting (down to ground from parallel clamp)	6	6	6	6	6	6	6	6
Spindle tilting (above from parallel clamp)	8	8	8	8	8	8	8	8
Total weight	24.000	39.000	39.000	80.000	120.000	158.000	195.000	235.000



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