

Steel fabrication Steel wholesalers Technical Data

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Roller conveyor blast machine RRB



Equipment features:

- ▶ for handling of plates, profiles and tubes
- ▶ high level of automation, ideal for integration into existing production lines
- ▶ manganese steel housing with easily replaceable manganese steel lining
- ▶ all machines are equipped with a brush and blow-off unit
- ▶ space saving version available with dust collector installed on top of the blasting machine
- ▶ optional upgrade for higher motor capacity of the turbines

machine	RRB 11/5	RRB 16/5	RRB 22/5 L	RRB 22/5 HD	RRB 27/6 L	RRB 27/6 HD	RRB 34/6 L	RRB 34/6 HD	RRB 42/6 L	RRB 42/6 HD
max. work piece width (mm)	1.000	1.500	2.000	2.000	2.500	2.500	3.200	3.200	4.000	4.000
max. work piece height (mm)	500	500	500	500	600	600	600	600	600	600
min. work piece length (mm)	1.300	1.300	1.300	1.300	1.300	1.300	1.300	1.300	1.300	1.300
turbines	4 x Gamma 300 G	4 x Gamma 400 G	6 x Gamma 400 G	6 x Gamma 400 G	6 x Gamma 400 G	6 x Gamma 400 G	6 x Gamma 400 G	8 x Gamma 400 G	8 x Gamma 400 G	10 x Gamma 400 G
motor capacity turbines, standard (kW)	7,5	11	11	22	11	22	15	22	22	30
straight mounted turbines	•	-	•	•	-	-	-	-	-	-
incline mounted turbines	-	•	-	-	•	•	•	•	•	•
weight capacity per running meter (kg/m)	1.250	1.250	1.200	1.500	1.200	2.000	1.200	2.000	2.000	2.000
conveyor height above floor (mm)	1.000	1.200	800	800	800	800	800	800	800	800
foundation pit required	No	No	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes
blasting capacity for plates, up to (m/min)	2	2	3	6	3	6	3	6	3	6
blasting capacity for profiles, up to (m/min)	1,5	1,5	2	4	2	4	2	4	2	4
transport speed (m/min)	0,8 - 6	0,8 - 6	0,8 - 6	0,8 - 6	0,8 - 6	0,8 - 6	0,8 - 6	0,8 - 6	0,8 - 6	0,8 - 6
manganese steel blasting chamber housing material thickness (mm)	6	6	8	8	8	8	8	9	8	8
manganese steel blasting chamber lining material thickness (mm)	10	10	8	8	8	8	8	8	8	8
filter capacity (m ³ /h)	5.000	7.500	7.500	10.000	10.000	15.000	10.000	15.000	20.000	20.000

• = serial
- = not available

Preservation line KON



Equipment features:

- ▶ all from one source: conveyor system, blow-off unit, pre-heater, blasting machine, painting cabin, dryer
- ▶ painting system depending on the application with up to 32 nozzles and giving the option of selecting from 4 different paint colours
- ▶ blasting and painting operation speed up to 6 m/min
- ▶ treatment medium: solvent or water based shop primer
- ▶ final quality with Rösler standard painting system: 15 - 25 μm (depending on the application, a higher thickness is possible)
- ▶ higher life time of paint filter because of pre-cleaning by brush from both sides of the painting cabin
- ▶ filter capacity for paint filter: 8.500 - 25.000 m^3/h
- ▶ dryer length is variable (standard length from 10 m - 20 m possible)
- ▶ thermal oxidizer with regenerative heat recovery (RTO) and CO_2 fire extinguishing system are available depending on the application
- ▶ high level of automation, ideal for integration into existing production lines

Roller conveyor blast machine for weldments RRBK-L



Equipment features:

- ▶ optimal for the treatment of welding constructions
- ▶ inclined turbines
- ▶ high level of automation, ideal for integration into existing production lines
- ▶ manganese steel housing with easily replaceable manganese steel lining
- ▶ can be equipped with optional brush and blow-off unit

machine	RRBK 11/11 L	RRBK 16/11 L	RRBK 22/11 L	RRBK 27/16 L	RRBK 27/21 L	RRBK 34/16 L	RRBK 42/16 L
max. work piece width (mm)	1.000	1.500	2.000	2.500	2.500	3.200	4.000
max. work piece height (mm)	1.100	1.100	1.100	1.600	2.100	1.600	1.600
turbines	6 x Gamma 400 G	6 x Gamma 400 G	8 x Gamma 400 G	10 x Gamma 400 G	10 x Gamma 400 G	12 x Gamma 400 G	14 x Gamma 400 G
motor capacity turbines, standard (kW)	11	11	11	11	11	11	11
weight capacity per running meter (kg/m)	1.250	1.250	1.500	2.000	2.000	2.000	2.000
conveyor height above floor (mm)	800	800	800	800	800	800	800
foundation pit required	Yes	Yes	Yes	Yes	Yes	Yes	Yes
blasting capacity for plates up to (m/min)	2	2	2	2	2	2	2
blasting capacity for profiles up to (m/min)	1,5	1,5	1,5	1,5	1,2	1,5	1,5
blasting capacity for welded constructions up to (m/min)	1	1	1	1	1	1	1
transport speed (m/min)	0,4 - 4	0,4 - 4	0,4 - 4	0,4 - 4	0,4 - 4	0,4 - 4	0,4 - 4
manganese steel blasting chamber housing material thickness (mm)	6	6	8	8	8	8	8
manganese steel around the turbines (mm)	10	10	8	8	8	8	8
filter capacity (m ³ /h)	10.000	10.000	15.000	20.000	20.000	20.000	20.000

Roller conveyor blast machine for weldments RRBK-HD



Equipment features:

- ▶ optimal for the treatment of welding constructions
- ▶ incline mounted turbines
- ▶ high level of automation, ideal for integration into existing production lines
- ▶ manganese steel housing with easily replaceable manganese steel lining
- ▶ can be equipped with optional brush and blow-off unit

machine	RRBK 11/11 HD	RRBK 16/11 HD	RRBK 22/11 HD	RRBK 27/16 HD	RRBK 27/21 HD	RRBK 34/16 HD	RRBK 42/16 HD
max. work piece width (mm)	1.000	1.500	2.000	2.500	2.500	3.200	4.000
max. work piece height (mm)	1.100	1.100	1.100	1.600	2.100	1.600	1.600
turbines	8 x Gamma 400 G	8 x Gamma 400 G	12 x Gamma 400 G	12 x Gamma 400 G	14 x Gamma 400 G	16 x Gamma 400 G	18 x Gamma 400 G
motor capacity turbines, standard (kw)	11	11	11	15	15	15	15
weight capacity per running meter (kg/m)	1.250	1.250	1.500	2.000	2.000	2.000	2.000
conveyor height above floor (mm)	800	800	800	800	800	800	800
foundation pit required	Yes	Yes	Yes	Yes	Yes	Yes	Yes
blasting capacity for plates up to (m/min)	4	4	4	4	4	4	4
blasting capacity for profiles up to (m/min)	3	3	3	3	3	3	3
blasting capacity for welded constructions up to (m/min)	2	2	2	2	2	2	2
transport speed (m/min)	0,4 - 4	0,4 - 4	0,4 - 4	0,4 - 4	0,4 - 4	0,4 - 4	0,4 - 4
manganese steel blasting chamber housing material thickness (mm)	6	6	8	8	8	8	8
manganese steel blasting chamber lining material thickness (mm)	10	10	8	8	8	8	8
filter capacity (m ³ /h)	10.000	15.000	15.000	20.000	25.000	25.000	25.000

Continuous feed spinner hanger blast machine RHBD-K-L



Equipment features:

- ▶ special design available, based on the work piece specifications and sizes
- ▶ conveying system freely configurable, from manual to fully automatic
- ▶ high level of automation, ideal for integration into existing production lines (for example: welding, painting, phosphating and assembly lines)
- ▶ optional free blasting installation available

machine	RHBD-K 11/15 L	RHBD-K 13/18 L	RHBD-K 17/22 L	RHBD-K 22/27 L	RHBD-K 27/32 L	RHBD-K 35/35 L
max. work piece width (mm)	900	1.100	1.500	2.000	2.500	3.300
max. work piece height (mm)	1.300	1.600	2.000	2.500	3.000	3.300
turbines	6 x Gamma 400 G	6 x Gamma 400 G	8 x Gamma 400 G	8 x Gamma 400 G	12 x Gamma 400 G	16 x Gamma 400 G
motor capacity turbines, standard (kW)	11	11	11	11	11	11
conveying system open configurable	•	•	•	•	•	•
pneumatic door control (alternative rubber fins)	•	•	•	•	•	•
Safety device for automatic door operation	•	•	•	•	•	•
foundation pit required	o	o	o	o	o	o
easy changeable wear protection plates 10 mm	•	•	•	•	•	•
manganese steel blasting chamber housing material thickness (mm)	8	8	8	8	8	8
filter capacity (m ³ /h)	7.500	7.500	12.500	15.000	15.000	20.000

• = serial
o = optional

Continuous feed spinner hanger blast machine RHBD-K-HD



Equipment features:

- ▶ special design available, based on the work piece specifications and sizes
- ▶ conveying system freely configurable, from manual to fully automatic
- ▶ high level of automation, ideal for integration into existing production lines (for example: welding, painting, phosphating and assembly lines)
- ▶ optional free blasting installation available

machine	RHBD-K 11/15 HD	RHBD-K 13/18 HD	RHBD-K 17/22 HD	RHBD-K 22/27 HD	RHBD-K 27/32 HD	RHBD-K 35/35 HD
max. work piece width (mm)	900	1.100	1.500	2.000	2.500	3.300
max. work piece height (mm)	1.300	1.600	2.000	2.500	3.000	3.300
turbines	8 x Gamma 400 G	8 x Gamma 400 G	12 x Gamma 400 G	12 x Gamma 400 G	16 x Gamma 400 G	20 x Gamma 400 G
motor capacity turbines, standard (kW)	11	11	11	11	11	11
conveying system open configurable	•	•	•	•	•	•
pneumatic door control (alternative rubber fins)	•	•	•	•	•	•
Safety device for automatic door operation	•	•	•	•	•	•
foundation pit required	o	o	o	o	o	o
easy changeable wear protection plates 10 mm	•	•	•	•	•	•
manganese steel blasting chamber housing material thickness (mm)	8	8	8	8	8	8
filter capacity (m ³ /h)	10.000	10.000	12.500	15.000	20.000	30.000

• = serial
o = optional

Continuous feed tube and bar blast machine RDR



Equipment features:

- ▶ optimal for treatment of tubes and bars
- ▶ high level of automation, ideal for integration into existing production lines
- ▶ different roller spacing available (215 mm, 400 mm, 800 mm, 1000 mm)
- ▶ optional supply and discharge system available

machine	RDR 100	RDR 200	RDR 300	RDR 500	RDR 800	RDR 1000
max. tube diameter (mm)	100	200	300	500	800	1.000
foundation pit required	-	-	o	o	o	o
turbines	1 x Gamma 400 G	1 x Gamma 400 G	2 x Gamma 400 G	2 x Gamma 400 G	2 x Gamma 400 G	2 x Gamma 400 G
motor capacity turbines, standard (kW)	22	22	22	22	22	22
manganese steel blasting chamber lining material thickness	•	•	•	•	•	•
filter capacity (m³/h)	2.000	2.000	3.000	3.000	5.000	5.000
transport speed (m/min)	11,5	11,5	15	9	5,5	4,5

• = serial
- = not available
o = optional

Continuous feed single strand blast machine REDL



Equipment features:

- ▶ designed for special profiles and steel wire as a continuous product
- ▶ compact machine design, arrangement of several blasting chambers after each other is possible
- ▶ high blasting capacity up to 180 m/min
- ▶ energy-efficient because blasting chambers can be individually activated or isolated switched on as necessary
- ▶ high level of automation, ideal for integration into existing production lines



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