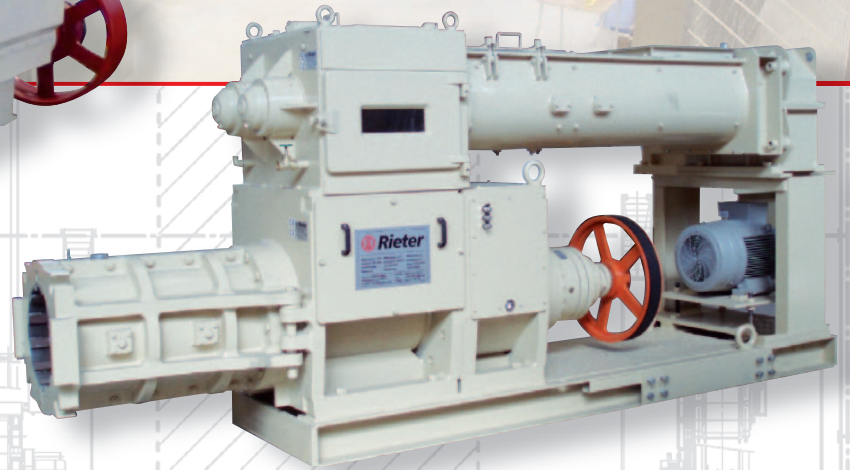
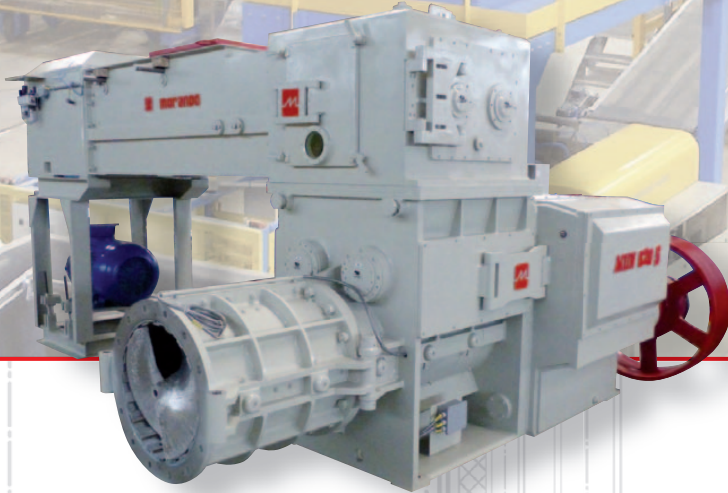


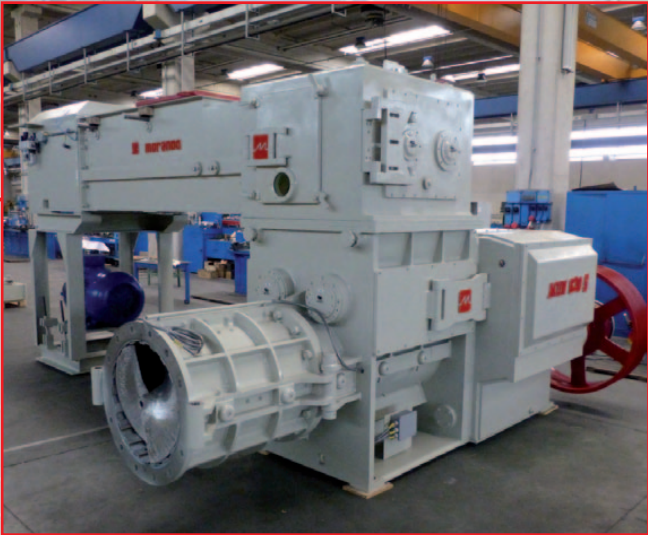
**PRODUCT
RANGE**



Clay Preparation Shaping

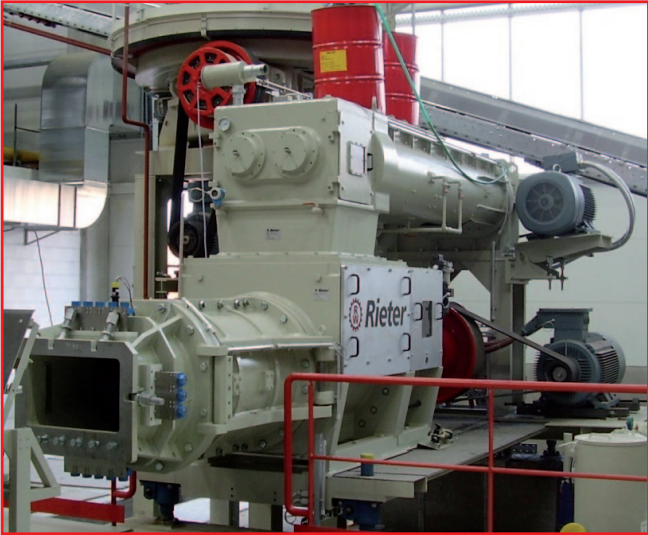
CREATING SOLUTIONS

Vacuum Extrusion Unit Type **MUN-S**



VACUUM EXTRUSION TYPE MUN S	500/400	500	620/550	620	730	770
Output common bricks - up to [t/h]	30	45	55	70	100	120
Output Hollow bricks - up to [t/h]	30	45	55	70	100	120
Output Facing bricks - up to [t/h]	25	35	45	55	-	-
Output Roof tiles bats - up to [t/h]	20	25	35	-	-	-
Auger diameter [mm]	500 / 400	500	620 / 550	620	730	770
Feeder dimensions (width x lenght) [mm]	800 x 1980	800 x 1980	1020 x 2415	1020 x 2415	1190 x 3165	1300 x 3220
Feeder blades/augers diameter [mm]	450	450	550	550	620	730
Maximum pressure [bar]	30	30	30	30	30	30
Feeder installed power [kW]	45	45	90	90	132	160
Extruder installed power [kW]	110	132	200	200	355	500
Weight [kg]	16.500	17.500	22.000	22.000	27.000	38.000

Vacuum Extrusion Unit Type **VARIAT**



FEEDER TYPE VDWM	2007	2308	2610
Clay output up to [t/h]	25	50	70
Feeder dimensions (width x lenght) [mm]	710 x 2015	865 x 2310	1000 x 2650
Feeder blades/augers diameter [mm]	390	480	580
Installed power [kW]	45 / 55	90 / 110	110 / 160
Weight [kg]	3.600	6.000	8.500

EXTRUDER TYPE SP	450/350	450/400	560/450	560/500	650/560	650/600	770/720
Output common bricks - up to [t/h]	-	-	-	45	60	65	90
Output Hollow bricks - up to [t/h]	-	-	-	-	50	55	90
Output Facing bricks - up to [t/h]	15	20	35	40	50	52	-
Output Roof tiles bats - up to [t/h]	15	20	35	40	50	55	-
Output Flat product - up to [t/h]	12	16	25	-	-	-	-
Adapted mixer VDWM	2007	2007	2007 / 2308	2308	2308 / 2610	2610	2610
Auger diameter (body - cylinder) [mm]	450 - 400	450 - 400	560 - 450	560 - 500	650 - 560	650 - 600	770 - 720
Maximum pressure [bar]	30	30	50	30	35	30	25
Installed power [kW]	75 / 90	75 / 90	132 / 200	132 / 200	160 / 250	160 / 250	315
Weight [kg]	5.000	5.000	6.400	6.400	8.800	8.800	13.000

Roof Tile Press **DR/6**



ROOF TILES PRESSES	M6-720	DR6-850	DR6-1150	DR6-1600	DR6-2000	DR6-2400
Pressing movements up to [s/min]	20	24 mech. 18 hydr.	24 mech. 18 hydr.	22 mech. 18 hydr.	20 mech. 18 hydr.	20 mech. 18 hydr.
Upper moulds [n°]	1	1	2	2 / 3 / 4	3 / 4 / 5	3 / 4 / 5
Lower moulds [n°]	1	6	12	12 / 18 / 24	18 / 24 / 30	18 / 24 / 30
Drum faces [n°]	6	6	6	6	6	6
Drum dimensions [mm]	627 x 720	620 x 850	620 x 1150	650 x 1600	650 x 2000	650 x 2400
Pressing force [t]	60	80	240	300	400	400
Installed power [kW]	7,5	15	22	45	55	55
Max. pressing stroke [mm]	130	130	140	140	140	140
Weight (without moulds) [kg]	7.000	18.000	36.000	40.000	52.000	60.000

Press for accessory tiles **DTP**



PRESS FOR ACCESSORY TILES	F1	F3	STP 100	DTP 160	DTP 200
Pressing movements up to [s/min]	3,3	8,3	7,5	14	14
Output [pz/h]	200	500	450	840	840
Upper moulds [n°]	1	1	1	1	1
Lower moulds [n°]	2	2	1 / 2	3 / 4	3 / 4
Diameter of rotating table [mm]	1400	1400	1830	2000	2400
Pressing force [t]	50	80	100	160	200
Max. moulds size [mm]	550 x 600	550 x 600	550 x 600	500 x 730	750 x 820
Max. height of mould package [mm]	280	245	300	300	300
Max. stroke of pressing stroke [mm]	300	300	300	340	340
Installed power (electrical + hydraulic) [kW]	11	30	75	90	130
Weight (without moulds) [kg]	5.000	7.500	7.000	12.000	15.000

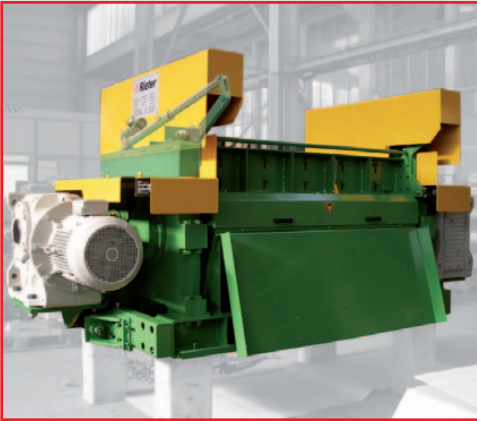
RAW MATERIAL PREPARATION



BXF / BXFR BOX FEEDER

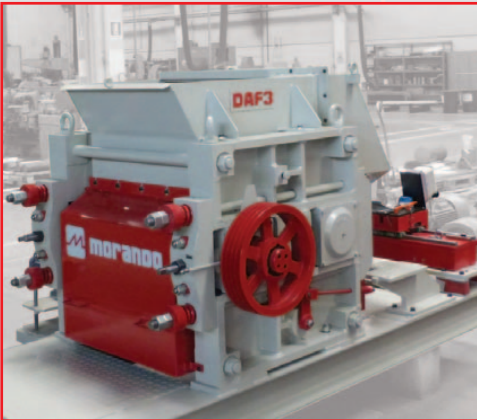
	BXF 12 4-6-8	BXFR* 4-6-8	BXF 15 6-8-10	BXF 20 8-10-12
Output up to [t/h]	90	90	120	170
Useful width [mm]	1200	1100	1500	2000
Length [m]	4 - 6 - 8	4 - 6 - 8	6 - 8 - 10	8 - 10 - 12
Belt installed power [kW]	4 - 4 - 4	4 - 4 - 4	4 - 5,5 - 5,5	7,5 - 7,5 - 11
Paddle wheel installed power [kW]	7,5 - 7,5 - 7,5	7,5 - 7,5 - 7,5	7,5 - 7,5/11 - 7,5/11	7,5/11 - 7,5/11 - 7,5/11
Weight [kg]	4.400 - 5.800 - 7.500	3.500 - 4.500 - 5.500	7.800 - 9.300 - 10.900	13.000 - 15.500 - 18.000

* the line BXFR is supplied with rubber conveyor belt



WB ROLLER CRUSHER

	46x100 - M	46x150 - M	46x150 - H
Output up to [t/h] (depending on gap)	60	140	250
Mohs hardness up to	4	4	6
Maximum moisture [%]	20	20	20
Feeding size up to [mm]	200 -300	300 - 400	Up to 500
Roller gap	20-100 mm	20-100 mm	20-100 mm
Power installed [kW]	37 / 45	55 / 75	75 hydraulic
Rollers rotation speed [rpm]	39 -31	39 - 31	adjustable
Rollers diameter/width [mm]	460 / 1000	460 / 1500	460 / 1500
Weight [kg]	10.000	12.000	14.500



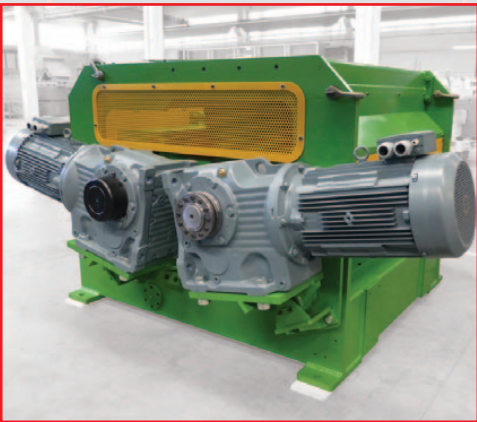
DAF BAR DISINTEGRATOR

	DAF 3-D	DAF 5
Output up to [t/h] (depending on gap)	70	160
Mohs hardness till	3 - 4	3 - 4
Pieces size at entry up to [mm]	100	200
Maximum moisture [%]	18	18
Slow roller (smooth) Diameter / Length [mm]	750 / 800	800 / 1200
Fast roller (bars supporting unit) Diameter / Length [mm]	360 / 800	500 / 1200
Bars (fast roller) [n°]	6	6
Smooth roller / Bars roller power [kW]	15 / 37	22 / 75
Weight [kg]	4.500	13.000



FR CLAY SORTER

	FR/1500	FR/2000
Output up to [t/h]	80	200
Mohs hardness (material to sort out)	> 3	> 3
Pieces size at entry up to [mm]	< 100	< 200
Pieces size at exit [mm]	ø 30x50	ø 30x50
Minimum moisture [%]	15	15
Perforated rollers diameter/width [mm]	1500 / 600	2000 / 1000
Rollers installed power [kW]	22 + 22	4 x 30
Installed power of waste products belt [kW]	0,75	1,5
Weight [kg]	11.200	35.000



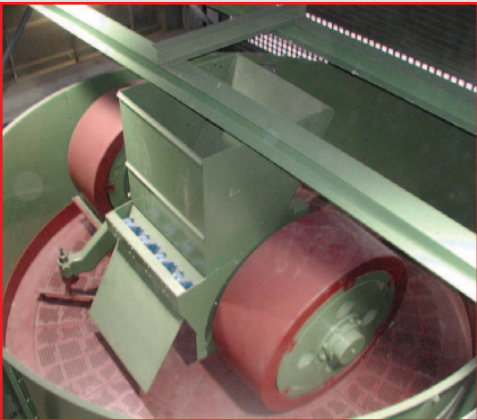
LSP STONE REMOVAL ROLLER MILL

	LSP 6/12
Output up to [t/h] (opening @ 20mm)	220
Mohs hardness (material not to sort out)	< 4
Pieces size at entry [mm]	60 - 150
Pieces size at exit [mm]	10 - 35
Dimensions of ejected stones (depending on gap) [mm]	15 - 60
Maximum moisture [%]	25
Rollers diameter / width [mm]	600 / 1200
Installed power [kW]	45 + 37
Weight [kg]	11.000



VSP STONE REMOVAL SCREEN

	VSP 13
Output up to [t/h]	95
Maximum Mohs hardness (material to be crushed)	2 - 3
Maximum pieces size at entry [mm]	400
Dimensions of ejected stones [mm]	> 80
Maximum moisture [%]	20
Screen trough width [mm]	1300
Screen rotors and installed power [n°]/[kW]	7 / 2,2 x 7
Reel shaft lifting and installed power [mm]/[kW]	450 / 7.5
Weight [kg]	6.000



KAF WET PAN MILL

	KAF 20/60	KAF 20/70	KAF 20/80	KAF 20/70-4L
OUTPUT up to [t/h] at moisture 19-20% (Hole Dimension 40 x 15 mm)	50	70	90	130
Trough dimensions in diameter [mm]	4600	5200	5880	5880
Diameter of grinding track [mm]	3900	4500	5200	5000
Surface of grinding track [m²]	10	13,5	18	18
Diameter / width runner [mm]	2000 / 600	2000 / 700	2000 / 800	2000 / 700
Thickness of runner shell [mm]	180	180	180	180
Weight of inner/ outer roller [t]	12,5 / 11,2	15 / 13	19 / 16	2x15 / 2x15
Installed power [kW]	90	132	200	250
Weight [kg]	56.000	68.000	85.000	105.000



GENIUS PRE-ROLLER MILL

	650	800	1000	1200
Output up to [t/h] (@ 2,5 mm. Gap)	80	150	190	230
Output up to [t/h] (@ 1,0 mm Gap)	40	60	76	92
Rollers diameter /width [mm]	900 / 650	1000 / 800	1000 / 1000	1000 / 1200
Hardness ±30 [HV]	500	500	500	500
Thickness of shells [mm]	83	135 / 107,5	136 / 107,5	137 / 107,5
Slow roller installed power [kW]	22	55 / 75	75 / 90	90 / 110
Fast roller installed power [kW]	55	75 / 90	90 / 110	110 / 132
Maximum rollers peripheral speed [m/s]	15	20	20	20
Net weight [kg]	9.400	19.000	20.500	22.000

MILLING STORAGE SHAPING



QBH TRANSVERSAL EXCAVATOR

	QBH 60/6	QBH 60/4	QBH 120/4
Output up to [t/h]	60	100	160
Depth of bin [m]	6 - 8	6 - 8	6 - 8
Width of bin [m]	20 - 25	20 - 25	20 - 25
Length of bucket tender [m]	11 - 14	11 - 14	11 - 14
Distance between buckets [mm]	1440	960	960
Capacity of buckets [l]	60	60	120
Drive bucket chain [kW]	1 x 15	2 x 11	2 x 15
Drive of travelling gear [kW]	2 x 0,75	2 x 0,75	2 x 1,5
Drive tender lifting gear [kW]	2,2	2,2	3



MBA WATERING MIXER

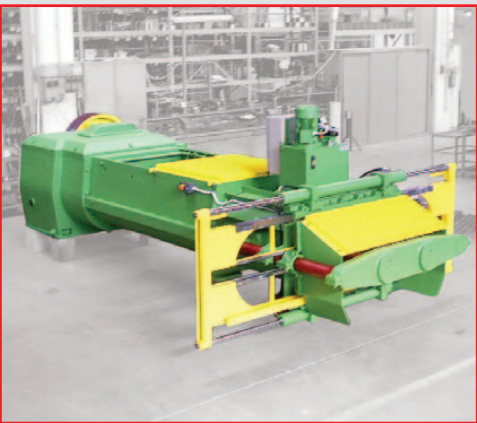
	MBA 5	MBA 6	MBA 7	MBA 8	MBA 8L
Output up to [t/h]	45	70	120	200	270
Blades diameter [mm]	565	620	730	860	860
Trough dimensions (length x basin width) [mm]	3000 x 1000	3110 x 1150	3100 x 1300	3100 x 1547	3735 x 1567
Blades rotation speed [rpm]	21	23	26	26	26
Installed power [kW]	30	45	90	160	200
Weight [kg]	4.500	7.500	11.000	13.000	14.500

* also available sizes MBA 3 and MBA 4 output up to 20/30 t/h



LBV LONGITUDINAL EXCAVATOR

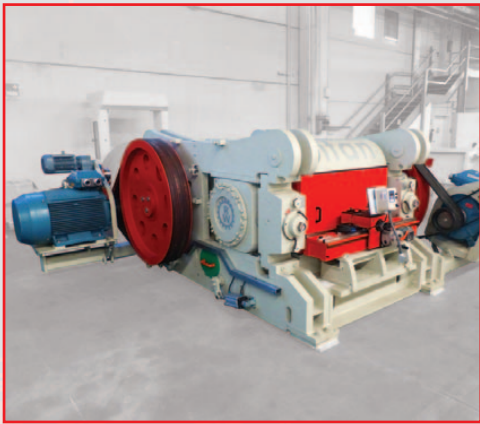
	LBV 60/6	LBV 60/4	LBV 120/4
Output up to [t/h]	60	100	160
Length of buckets tender [m]	10 - 12 - 14	10 - 12 - 14	12 - 14
Distance between buckets [mm]	1440	960	1200
Capacity of buckets [l]	60	60	120
Drive bucket chain [kW]	2 x 11	2 x 11	2 x 15
Drive of travelling gear [kW]	2 x 1,5	2 x 1,5	2 x 2,2
Drive tender lifting gear [kW]	3	3	3
Speed of chain (up to) [m/min]	27	27	27



MBAF DOUBLE SHAFT FILTER MIXER

	MBAF 4	MBAF 5	MBAF 6	MBAF 7	MBAF 8
Output up to [t/h]	25	40	65	95	175
Standard perforation [mm]	87 x 20	64 x 22	70 x 25	83 x 37	105 x 50
Blades diameter [mm]	510	572	620	730	860
Trough dimensions (length x basin width) [mm]	2500 x 900	2300 x 1000	3000 x 1160	3135 x 1300	3700 x 1515
Blades rotation speed [rpm]	20	21	23	26	26
Installed power [kW]	37	55	90	132 - 160	200
Weight [kg]	4.350	5.800	9.000	12.000	18.500

* also available sizes MBAF 3 output up to 15 t/h



TITAN FINE ROLLER MILL

	100 x 80	100 x 100	100 x 120	100 x 140
Output up to [t/h] (@ 2 mm Gap - 17m/s)	105	135	160	185
Output up to [t/h] (@ 1,2 mm Gap - 17m/s)	65	80	95	110
Output up to [t/h] (@ 0,8 mm Gap - 17m/s)	40	50	60	70
Rollers diameter / width [mm]	1000 / 800	1000 / 1000	1000 / 1200	1000 / 1400
Hardness [HV]	500 ± 40	500 ± 40	500 ± 40	500 ± 40
Thickness of shells [mm]	125 ± 5	125 ± 5	125 ± 5	125 ± 5
Slow roll installed power [kW]	55 / 75	75 / 90	90 / 110	110 / 132
Fast roll installed power [kW]	75 / 90	90 / 110	110 / 132	132 / 160
Net weight [kg]	22.000	23.000	24.000	25.000



SBM/SR SCREEN AND MIXER CRUSHER / CIRCULAR SCREEN FEEDER

	SBM 1900	SR 1500	SR 1900
OUTPUT up to (HOLE DIMENSION SR 30 x 15 mm /SBM 40 x 15) [t/h]	60	28	75
OUTPUT up to (HOLE DIMENSION SR 30 x 10 mm /SBM 40 x 10) [t/h]	50	25	62
Trough dimensions in diameter [mm]	1900	1500	1900
Number of screens [n°]	8	8	10
Diameter of collecting plate [mm]	3200	2880	3200
Storage capacity of one hopper element [m³]	5	3	5
Max. quantity of water to be added [l/h]	2000	1000	2000
Installed power (depending on screens and output) [kW]	90 / 110	37 / 45 / 55	75 / 90 / 110
Weight [kg]	18.000	13.000	15.000

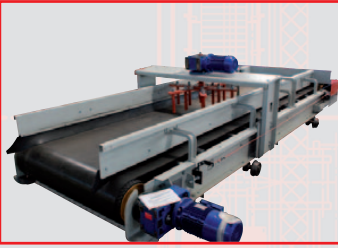
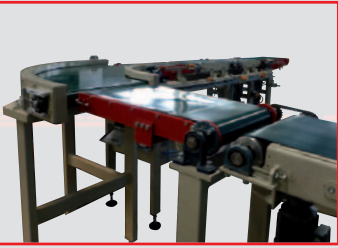
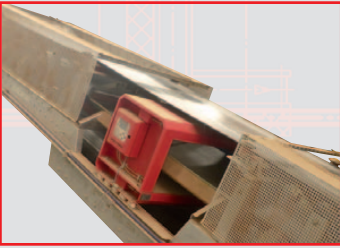


GIGANT SUPER FINE ROLLER MILL

	80 x 100	80 x 120	80 x 140
Output up to [t/h] (@ 1,2 mm Gap - 17m/s)	80	95	110
Output up to [t/h] (@ 0,8mm Gap - 17m/s)	50	60	70
Output up to [t/h] (@ 0,6 mm Gap - 17m/s)	35	45	55
Rollers diameter / width [mm]	800 / 1000	800 / 1200	800 / 1400
Hardness [HV]	500 ± 40	500 ± 40	500 ± 40
Thickness of shells [mm]	140 ± 5	140 ± 5	140 ± 5
Rollers installed power [kW]	90 / 110	110 / 132	132 / 160
Net weight [kg]	22.500	25.000	27.500

ACCESSORIES

We also supply complete bats feeding lines – electric cabinets – permanent magnets – metal detectors – spreading units – conveyor belts and all you need for your preparation and shaping lines.



**More than 100 years' experience
in clay preparation and product shaping.**

Laboratory



Service



**Rieter
morando**



Italy:

Str. Rilate, 22 - 14100 Asti (AT) – VAT 05522080968
Phone +39 0141 417311 Fax +39 0141 417504
info@rietermorando.com

Germany:

Schneckenburgstr. 11 - 78467 Konstanz
Phone +49 7531 809-0 Fax +49 7531 809-100
spare.parts@rietermorando.com