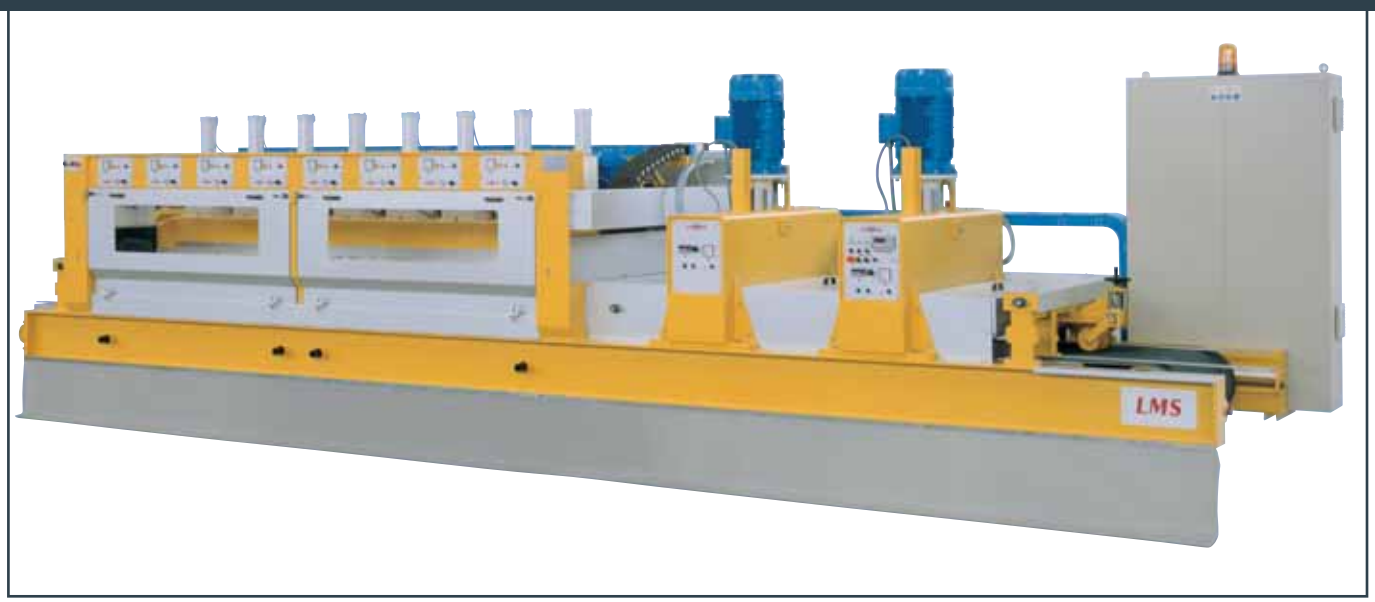
LMS 650/850/1000 - belt-type calibrating-polishing machine for marble tiles sizes 60/80/1000



Sturdy electro-welded steel structure **base** with ground belt sliding surface. 3 mm thick, interchangeable STAINLESS steel sheets ensuring protection against wear and tear.
Grease lubrication system to facilitate sliding of the conveyor belt.

Steel electro-welded spindle-holding **beam**. Sliding on shoulders equipped with roller cages in oil bath protected by special stainless steel covers. Hardened steel sliding elements both on the shoulders and the beam.

CALIBRATING unit:
Robust metal structure calibrating **spindles** with ground chrome-plated tube, 670/850/1000 mm Ø calibrating plate, 18.5 kW / 25 HP - 22 kW/30 HP electric motor with individual or in-sequence start-up.

Instruments for controlling the spindle positioning quotas providing the following functions:
Display viewing positioning quotas of calibrating plate accurate to a hundredth.
Automatic spindle quota positioning function.
Spindle motor upstroke/downstroke push-buttons.

POLISHING unit:
Spindles made of cast iron with ground, chrome-plated steel shaft sliding on bronze bushes complete with pneumatic cylinder for raising the abrasive-carrying plate.
Each spindle is fitted with a pressure gauge to check the pressure and counter-pressure balancing the heads during the removal stage.
5.5 kW/7.5 HP motors with individual or in-sequence start-up. Drive is transmitted by means of pulleys and V-belts.
470 Ø aluminium alloy polishing plates complete with Frankfurt aluminium attachments for seven abrasives.

Material **detection** unit.

Stainless steel front **doors** with safety limit switch which stops the spindles if the door is opened. Stainless steel rear cover.

Slab guide **supports** with screw adjustment by means of hand-wheel, complete with stainless steel slab guides.

Features:

Min. working width.	mm	300
Max. working width	mm	650/850/1000
Max./Min. processable thickness	mm	100/10
Calibrating spindle motor power rating	kW	18.5/22
Polishing spindle motor power rating	kW	5.5
Belt drive motor power rating	kW	2.2
Beam translation motor power rating	kW	1.5

cemar
thinking new milestones

Cemar S.r.l.
36015 Schio Vicenza Italy · Via Lago di Misurina, 72 z.i.
Tel. +39 0445.576226 · Fax +39 0445.576244
E-mail: info@cemar.com · Internet: www.cemar.com

LMS 650

FEATURES		2A	6A	8A	10A	12A	1C+2A	1C+6A	1C+8A
Max./Min. processable thickness	mm	10/100	10/100	10/100	10/100	10/100	10/100	10/100	10/100
Max./Min. working width.	mm	300/650	300/650	300/650	300/650	300/650	300/650	300/650	300/650
Calibrating Units	N.	0	0	0	0	0	1	1	1
Calibrating plate diameter	mm	-	-	-	-	670	670	670	670
Calibrating spindle motor power rating	kW	-	-	-	-	-	18,5	18,5	18,5
Polishing units	N.	2	6	8	10	12	2	6	8
Polishing plate diameter	mm	470	470	470	470	470	470	470	470
Frankfurt Abrasives	N.	7	7	7	7	7	7	7	7
Polishing spindle motor power rating	kW	5,5	5,5	5,5	5,5	5,5	5,5	5,5	5,5
Belt drive motor power rating	kW	1,1	1,1	2,2	2,2	2,2	1,1	1,1	2,2
Max./Min. Belt speed	m/min	0,6/6	0,6/6	0,6/6	0,6/6	0,6/6	0,6/6	0,6/6	0,6/6
Beam drive motor power rating	kW	1,5	1,5	1,5	1,5	1,5	1,5	1,5	1,5
Max./Min. Beam speed	m/min	5/18	5/18	5/18	5/18	5/18	5/18	5/18	5/18
Total power rating installed	kW	13,6	35,6	47,7	58,7	69,7	32,1	54,1	66,2
Water consumption	l/min	40	120	160	200	240	70	150	190
Weight	Kg	3800	5800	6300	6750	8450	4500	6500	7000
OVERALL DIMENSIONS									
Lenght	mm	3720	5920	7020	8120	9220	5070	7270	8370
Width	mm	1950	1950	1950	1950	1950	1950	1950	1950
Altezza	mm	2250	2250	2250	2250	2250	2250	2250	2250

LMS 650

FEATURES		2C+2A	2C+3A	2C+6A	2C+8A	2C+10A	3C+2A	3C+3A	3C+4A
Max./Min. processable thickness	mm	10/100	10/100	10/100	10/100	10/100	10/100	10/100	10/100
Max./Min. working width.	mm	300/650	300/650	300/650	300/650	300/650	300/650	300/650	300/650
Calibrating Units	N.	2	2	2	2	2	3	3	3
Calibrating plate diameter	mm	670	670	670	670	670	670	670	670
Calibrating spindle motor power rating	kW	18,5	18,5	18,5	18,5	18,5	18,5	18,5	18,5
Polishing units	N.	2	3	6	8	10	2	3	4
Polishing plate diameter	mm	470	470	470	470	470	470	470	470
Frankfurt Abrasives	N.	7	7	7	7	7	7	7	7
Polishing spindle motor power rating	kW	5,5	5,5	5,5	5,5	5,5	5,5	5,5	5,5
Belt drive motor power rating	kW	1,1	1,1	2,2	2,2	2,2	1,1	1,1	2,2
Max./Min. Belt speed	m/min	0,6/6	0,6/6	0,6/6	0,6/6	0,6/6	0,6/6	0,6/6	0,6/6
Beam drive motor power rating	kW	1,5	1,5	1,5	1,5	1,5	1,5	1,5	1,5
Max./Min. Beam speed	m/min	5/18	5/18	5/18	5/18	5/18	5/18	5/18	5/18
Total power rating installed	kW	50,6	56,1	73,7	84,7	95,7	69,1	74,6	81,2
Water consumption	l/min	100	120	180	220	260	130	150	170
Weight	Kg	5300	6050	7300	8300	9300	6550	6750	7050
OVERALL DIMENSIONS									
Lenght	mm	6020	6570	8220	8920	9920	6870	7370	7870
Width	mm	1950	1950	1950	1950	1950	1950	1950	1950
Height	mm	2250	2250	2250	2250	2250	2250	2250	2250

LMS 650

FEATURES		3C+8A	3C+10A	3C+12A	4C+3A	F 2C+1A	F 2C+2A	F 2C+3A	F 3C+2A
Max./Min. processable thickness	mm	10/100	10/100	10/100	10/100	10/100	10/100	10/100	10/100
Max./Min. working width.	mm	300/650	300/650	300/650	300/650	300/650	300/650	300/650	300/650
Calibrating Units	N.	3	3	3	4	2	2	2	3
Calibrating plate diameter	mm	670	670	670	670	670	670	670	670
Calibrating spindle motor power rating	kW	18,5	18,5	18,5	18,5	18,5	18,5	18,5	18,5
Polishing units	N.	8	10	12	3	1	2	3	2
Polishing plate diameter	mm	470	470	470	470	650	650	650	650
Frankfurt Abrasives	N.	7	7	7	7	9	9	9	9
Polishing spindle motor power rating	kW	5,5	5,5	5,5	5,5	7,5	7,5	7,5	7,5
Belt drive motor power rating	kW	2,2	2,2	2,2	2,2	1,1	1,1	1,1	1,1
Max./Min. Belt speed	m/min	0,6/6	0,6/6	0,6/6	0,6/6	0,6/6	0,6/6	0,6/6	0,6/6
Beam drive motor power rating	kW	1,5	1,5	1,5	1,5	-	-	-	-
Max./Min. Beam speed	m/min	5/18	5/18	5/18	5/18	5/18	5/18	5/18	5/18
Total power rating installed	kW	103,2	114,2	125,2	98,2	45,6	53	60,6	71,6
Water consumption	l/min	250	290	330	180	80	100	120	130
Weight	Kg	9050	9800	11050	7700	4950	5200	5900	6350
OVERALL DIMENSIONS									
Lenght	mm	7920	10870	11870	8320	6070	6220	6870	7170
Width	mm	1950	1950	1950	1950	1950	1950	1950	1950
Height	mm	2250	2250	2250	2250	2250	2250	2250	2250

LMS 850

FEATURES		6A	8A	10A	12A	1C+6A	1C+8A	2C+2A
Max./Min. processable thickness	mm	10/100	10/100	10/100	10/100	10/100	10/100	10/100
Max./Min. working width.	mm	300/800	300/800	300/800	300/800	300/800	300/800	300/800
Calibrating Units	N.	0	0	0	0	1	1	2
Calibrating plate diameter	mm	850	850	850	850	850	850	850
Calibrating spindle motor power rating	kW	-	-	-	-	22	22	22
Polishing units	N.	6	8	10	12	6	8	2
Polishing plate diameter	mm	470	470	470	470	470	470	470
Frankfurt Abrasives	N.	7	7	7	7	7	7	7
Polishing spindle motor power rating	kW	5,5	5,5	5,5	5,5	5,5	5,5	5,5
Belt drive motor power rating	kW	1,1	2,2	2,2	2,2	1,1	2,2	1,1
Max./Min. Belt speed	m/min	0,6/6	0,6/6	0,6/6	0,6/6	0,6/6	0,6/6	0,6/6
Beam drive motor power rating	kW	1,5	1,5	1,5	1,5	1,5	1,5	1,5
Max./Min. Beam speed	m/min	5/18	5/18	5/18	5/18	5/18	5/18	5/18
Total power rating installed	kW	35,6	47,7	58,7	69,7	57,6	69,3	57,6
Water consumption	l/min	120	160	200	240	150	190	100
Weight	Kg	5900	6400	6900	7400	6700	7200	5500
OVERALL DIMENSIONS								
Lenght	mm	6020	7020	8120	9220	7270	8370	6020
Width	mm	2100	2100	2100	2100	2100	2100	2100
Height	mm	2250	2250	2250	2250	2250	2250	2250

LMS 850

FEATURES≤		2C+3A	2C+6A	2C+8A	2C+10A	3C+2A	3C+3A	3C+4A
Max./Min. processable thickness	mm	10/100	10/100	10/100	10/100	10/100	10/100	10/100
Max./Min. working width.	mm	300/800	300/800	300/800	300/800	300/800	300/800	300/800
Calibrating Units	N.	2	2	2	2	3	3	3
Calibrating plate diameter	mm	850	850	850	850	850	850	850
Calibrating spindle motor power rating	kW	22	22	22	22	22	22	22
Polishing units	N.	3	6	8	10	2	3	4
Polishing plate diameter	mm	470	470	470	470	470	470	470
Frankfurt Abrasives	N.	7	7	7	7	7	7	7
Polishing spindle motor power rating	kW	5,5	5,5	5,5	5,5	5,5	5,5	5,5
Belt drive motor power rating	kW	1,1	2,2	2,2	2,2	1,1	1,1	2,2
Max./Min. Belt speed	m/min	0,6/6	0,6/6	0,6/6	0,6/6	0,6/6	0,6/6	0,6/6
Beam drive motor power rating	kW	1,5	1,5	1,5	1,5	1,5	1,5	1,5
Max./Min. Beam speed	m/min	5/18	5/18	5/18	5/18	5/18	5/18	5/18
Total power rating installed	kW	63,1	80,7	91,7	102,7	79,6	85,1	91,7
Water consumption	l/min	120	180	220	260	130	150	170
Weight	Kg	6250	7500	8500	9500	6750	7000	7250
OVERALL DIMENSIONS								
Lenght	mm	6570	8220	9320	10920	6970	7520	8070
Width	mm	2100	2100	2100	2100	2100	2100	2100
Altezza	mm	2250	2250	2250	2250	2250	2250	2250

LMS 850

FEATURES		3C+8A	3C+10A	3C+12A	4C+3A	F 2C+2A	F 2C+3A	F 3C+2A
Max./Min. processable thickness	mm	10/100	10/100	10/100	10/100	10/100	10/100	10/100
Max./Min. working width.	mm	300/800	300/800	300/800	300/800	300/800	300/800	300/800
Calibrating Units	N.	3	3	3	4	2	2	3
Calibrating plate diameter	mm	850	850	850	850	850	850	850
Calibrating spindle motor power rating	kW	22	22	22	22	22	22	22
Polishing units	N.	8	10	12	3	2	3	2
Polishing plate diameter	mm	470	470	470	470	470	470	470
Frankfurt Abrasives	N.	7	7	7	7	9	9	9
Polishing spindle motor power rating	kW	5,5	5,5	5,5	5,5	7,5	7,5	7,5
Belt drive motor power rating	kW	2,2	2,2	2,2	2,2	1,1	1,1	1,1
Max./Min. Belt speed	m/min	0,6/6	0,6/6	0,6/6	0,6/6	0,6/6	0,6/6	0,6/6
Beam drive motor power rating	kW	1,5	1,5	1,5	1,5	-	-	-
Max./Min. Beam speed	m/min	5/18	5/18	5/18	5/18	-	-	-
Total power rating installed	kW	113,7	124,7	135,7	109,6	60,1	67,6	82,1
Water consumption	l/min	250	290	330	180	100	120	130
Weight	Kg	9250	10000	11250	7900	5400	6100	6550
OVERALL DIMENSIONS								
Lenght	mm	8320	11370	12470	8470	6750	7270	7670
Width	mm	2100	2100	2100	2100	2100	2100	2100
Height	mm	2250	2250	2250	2250	2250	2250	2250

LMS 1000

FEATURES		8A	10A	12A	2C+8A	2C+10A	3C+10A	3C+12A
Max./Min. processable thickness	mm	10/100	10/100	10/100	10/100	10/100	10/100	10/100
Max./Min. working width.	mm	300/1000	300/1000	300/800	300/800	300/800	300/800	300/800
Calibrating Units	N.	0	0	0	2	2	3	3
Calibrating plate diameter	mm	-	-	-	1100	1100	1100	1100
Calibrating spindle motor power rating	kW	-	-	-	22	22	22	22
Polishing units	N.	8	10	12	8	10	10	12
Polishing plate diameter	mm	470	470	470	470	470	470	470
Frankfurt Abrasives	N.	7	7	7	7	7	7	7
Polishing spindle motor power rating	kW	5,5	5,5	5,5	5,5	5,5	5,5	5,5
Belt drive motor power rating	kW	2,2	2,2	2,2	2,2	2,2	2,2	2,2
Max./Min. Belt speed	m/min	0,6/6,5	0,6/6,5	0,6/6,5	0,6/6,5	0,6/6,5	0,6/6,5	0,6/6,5
Beam drive motor power rating	kW	1,5	1,5	1,5	1,5	1,5	1,5	1,5
Max./Min. Beam speed	m/min	5/18	5/18	5/18	5/18	5/18	5/18	5/18
Total power rating installed	kW	46	57	68	90	101	123	134
Water consumption	l/min	160	200	240	240	280	320	360
Weight	Kg	6700	7200	7700	9300	9800	10200	11500

OVERALL DIMENSIONS								
Lenght	mm	7020	8120	9220	9720	10820	11970	13070
Width	mm	2250	2250	2250	2250	2250	2250	2250
Height	mm	2250	2250	2250	2250	2250	2250	2250