

mandals

since 1775

A Michelin Group Company

Circular Looms



Mandals AS

Mandals is a Norwegian company that specializes in producing high quality lay-flat hoses and circular shuttle looms. We are based in Mandal on the south coast of Norway and have been in business at the same location since 1775. Today we are one of the worlds most recognized manufacturers of lay-flat hoses and looms.

We pioneered the lay-flat hose a century ago and developed the first circular loom in 1935. Today you can find our machines in over 30 countries, some of which have been in service for over 50 years. Our machines continue to define the standard for quality and reliability in circular looms.

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Looms Features

- Proven technology for decades
- High quality machines designed to produce high quality circular weaves
- Quality materials and high precision machining
- We continuously improve our looms to meet the market needs
- Proven low maintenance and long service life
- Accessibility to spare parts – regardless of model number
- Easy to operate
- World-wide technical support and on-site assistance
- Built in automatic empty bobbin stop
- Built in automatic warp and weft breakage stop
- Digitally adjustable picks



Easy to Operate



Worldwide Technical Support



**Low Maintenance
and Long Service Life**



ISO 9001 Approved
ISO 14001 Approved
ISO 45001 Approved

Model		HM604		HM1500	HM3000
Versions		SD	SD EX	SD	SD
CE Marked		YES	YES	YES	YES
Max Shuttle Speed	[rpm]	150	150	180	150
Number of Shuttles		2	2	2	3
Default Weft Net Single Bobbin Load	[kg]	2.3	2.3	1.2	3.0
Default Gross Bobbin Weight for Operator	[kg]	3.6	3.6	1.8	3.7
Default Weft Total Net Load	[kg]	4.6	4.6	2.4	9.0
Default Minimum Diameter	[mm]	20	20	19	20
Default Maximum Diameter <small>*Higher on request</small>	[mm]	160	320	65	160*
Number of Warp Openings		478	478	310	411
Number of Warp Openings with Warp Entry for Double Ends		956	956	620	822
Standard Weave Patterns* <small>*Other patterns on request</small>		Plain Twill	Plain Twill	Plain Twill	Plain Twill
Suitable for Yarns		Polyester Polyamide Aramide	Polyester Polyamide Aramide	Polyester Polyamide Aramide	Polyester Polyamide Aramide
Default Rail Gap	[mm]	1.75	1.75	2.3	1.8
Optional Rail Gap	[mm]	2.6	2.6	-	-
Default Motor Size	[kW]	7.5	7.5	4.0	7.5
Optional Motor	[kW]	5.5	5.5		
Default Voltage	[V]	230/400	230/400	230/400	230/400
Default Frequency	[Hz]	50	50	50	50
Default Shuttle Direction		Clockwise	Clockwise	Clockwise	Clockwise
Optional Shuttle Direction		Counter-Clockwise	Counter-Clockwise	-	-
Default Picks Control		Electrical	Electrical	Electrical	Electrical
Optional Picks Control		Mechanical	Mechanical	Mechanical	Mechanical
Air Cooling Recommended		YES	YES	YES	YES
Automatic Weft Break Stop		Included	Included	Included	Included
Automatic Weft Bobbin Empty Stop		Included	Included	Included	Included
Automatic Low Tension Stop		Included	Included	Included	Included
Automatic High Tension Stop		Optional	Optional	-	Optional
Noise Level	[dB]	92-95	92-95	83-86	92-95
Floorspace Diameter Required	[mm]	1980	1980	1200	1750
Footprint of Base	[mm]	1400	1400	1100	1400
Height	[mm]	997	997	1007	1050
Default Weight Approximately <small>*Floor take-off not included</small>	[kg]	1500	1350*	1200	1350

Other loom modifications on request

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Let us contact you!

Scan the QR code below, fill in your information and the products you are interested in. One of our sales managers will get in touch with you shortly to help you with your challenges and suggest appropriate solutions for your needs.



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