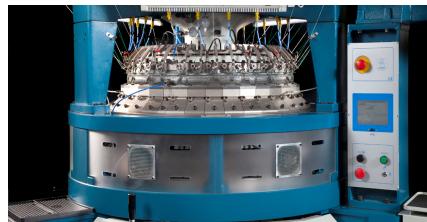


# MCT2EN

Double knit Circular knitting machine equipped with three positions electronic needles selection devices for the production of knit pattern fabrics, jacquard fabrics with stitch transfer



Traditional Orizio modular frame, renovated in its functionality, robustness, and aesthetics, with the new, integrated 'Oritec' control panel which allows the fruition of new technologies and completes the machine's control with the following functions:

- Diagnostic indication and visualisation of stops and alarms.
- Setting of the take-down percentage for easy roll extraction
- Selection/ setting of the reset types.
- Operational management, through inverter, for the search of the optimal rotation speed.
- Self compensated take-down electronic control to guarantee a constant tension of the fabric roll.
- Usb connection for quick drawing upload

## MAIN CHARACTERISTICS

1.2 feeds per diametrical inch machine; the cam profile, together with the double selection systems are conceived in such way that the needle movements take place under the best conditions to obtain and assure a perfect stitch formation. Each feed is fitted with two needles selection units. The first one selects the needles which must proceed in "welt" position and rises all the other needles to "tuck" position. The second unit selects those needles which must complete the "knit" cycle from those which must remain and proceed in "tuck" position.

Singly tilting yarn carriers are mounted on a single ring to facilitate their adjustments.

The yarn feeding units are set on two, or three rings if the elastomeric yarns feeding units is needed.

The cylinder needles selection is obtained by means of piezo-ceramic actuators (two at each feed with 8 levels) controlled by an electronic elaborator comprising: CPU unit, display with tactile keyboard and Usb port.

At each feed, the needles can be individually selected in the three positions: knit, tuck and welt; or, where necessary, for the stitch transfer.

The machine is equipped with 12 transfer stations and 24 working feeds.

Operative memory capacity: 512 Megabytes for the execution of several large patterns and fabrics.



## OBTANABLES PRODUCTS

The machine's textile potentialities are numberless, and such to allow the possibility of knitting all the rib-base and interlock-base stitches as well as structures such as 2 ÷ 6 colours (36 feeds) large dimensions jacquard patterns. The electronic needle selection allows for the immediate passage from a structure to another one as well as the partial or total annulment of the pattern, thus giving the possibility of pattern placing.

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STANDARD EQUIPMENT	OPTIONALS
"Oritec" electronic control system.	MEMMINGER-IRO 20 K1F jacquard feeding units
IRO SFE motorised feeding units with integrated stops.	MEMMINGER-IRO MSF3 jacquard feeding units
Micrometrical stitch adjustment at each feed.	MEMMINGER positive feeders 20L
Automatic lubrication on dial and cylinder needles by means of oil pump.	Elastomeric yarns kit
Knitting head and yarn passages cleaning system achieved by a combination of compressed air and blowing fans.	Usb key device and New Orides Software for pattern creation
Interlock disposition dial cams for 2-3-4 colours patterns.	Dial cams for different structures
Modular double-tie side creel	Circular creel, Antistatic creel, Closed creel with automatic yarn air threading device, creel with automatic yarn air threading device
8 levels piezo-ceramic actuators on the cylinder for the electronic needle-by-needle selection in the 3 ways techniques.	Super high frame for rolls up to 1,25 m diameters
A suitable kit converts the 12 transfer stations in normal feeds, thus allowing to knit jacquard on 36 feeds.	Lapping device with fixed or removable fabric bin
	Open width frame for fabrics without side creases

Diameter	Gauge	Max Speed (RPM)	Peripheral speed (mt./sec.)	N° of feeds	Motor power (Kw)	Net weight (kg)	Gross weight kg (case)	Floor space (m <sup>2</sup> )
30"	7 - 14	20	0,80	36 (24+12)	6,3	2900	3550	34

Orizio reserves the right to modify at any time and without previous notice, the machine's characteristics indicated on this brochure.  
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