

Memminger IRO: Yarn feeding, control systems and lubrication technology for knitting machines

When it comes to leading-edge processing technology for yarn feeding, control systems and lubrication technology for knitting machines, MEMMINGER-IRO is one of the market leaders in its field. MEMMINGER-IRO presented following latest products:

Spray Lubricator PJ ELF

PJ ELF is the latest development of UNIWAVE spray lubricators. The air consumption of this new PJ ELF is 30 – 50% lower than existing spray oilers on the market. This leads to a significant reduction of maintenance cost.

Special nozzles reduce oil fog in the knitting room to a minimum. The focus is lead on easy handling combined with integrating many function control devices such as pressure switch and relief valve.



PJ ELF spray lubricator.

Yarn Sensor MIS

The self learning sensor system MIS controls permanently all yarns on knitting machines. It can be applied to all kind of yarns. The main features are:

- ❖ MIS detects 3 yarn status: moving, stand still and present yarns.
- ❖ MIS checks before the knitting cycle if all necessary yarns are present. Otherwise the knitting cycle cannot be started. This results in a dramatic increase of the machine efficiency. Furthermore the cost which rises in connection with material wastage can be reduced dramatically.



MIS is self learning sensor system by Memminger IRO.

- ❖ The sensor has very fast reaction times and can therefore be used to monitor small patterns, too. Control rows at and the end of the knitting cycle are no longer necessary.

Knitting machine controller NAVIGATOR

The NAVIGATOR is a modular system incorporates to run a large diameter knitting machine.

Depending on customer demand MEMMINGER-IRO can supply only the controller and distribution board as the minimum configuration as well as the complete set which incorporates additionally all cables, push buttons, inverter, power unit and other parts.

The main idea is to implement all machine parts from the feeders to the take down system into one machine controller designed by MEMMINGER-IRO.

Innovations and outstanding features:

- ❖ Can be built in new machines and second hand machines.
- ❖ Quick installation through "plug and play".
- ❖ User friendly menu.
- ❖ Integrated connection of several MEMMINGER-IRO products e.g. lubricator, fabric scanner, yarn consumption control unit, motor drive belt system and others.
- ❖ The machine controller can be installed on any large diameter circular knitting machine.

If all machines in a knitting room are equipped with this kind of machine controller, it is very convenient for the knitting machine operator due to only having one system instead of several different..



Navigator: Central control and monitoring of all relevant production parameters.

Needle controller MNC 2

MNC 2 detects broken or bent needles at large diameter circular knitting machines.

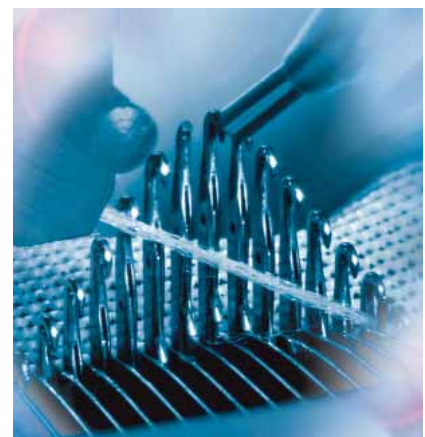


MNC2 Terminal.

The system can be adapted on machines up to gauge 44 respectively speed factor 1.500.

It supports a lot the reduction of second grade fabric because the optical sensor stops the machine immediately in case of broken or bent needle.

Courtesy: MEMMINGER-IRO GMBH
www.memminger-iro.de ♦



MNC 2 Sensor: The needle sensor emits and receives infrared light via a fibre optic cable and monitors needle condition in a knitting system.