

## Emotron 690V VFD regulates flow and pressure by continuously adapting motor speeds

By controlling the flow and pressure on a special pump installed on a textile-dyeing machine for yarn, the Emotron VFD ensures that there is no energy wasted and no unnecessary equipment wear.

The Emotron VFD regulates flow and pressure by continuously adapting motor speed.



### Operating at the optimum point of efficiency

Emotron partner MADS Srl – Italy is the supplier to a world-leading Italian manufacturer of dyeing machines in which the Emotron VFDs are installed.

All machine models are engineered to keep power and water consumption at the lowest possible level and to operate at the optimum point of efficiency.

The Emotron VFD is an important component of these machines.

### Using the extended Emotron 690V drive range

The dyeing machines are exported to more than 70 countries around the world. When sold to the US, like this batch to North Carolina, the VFD need to operate where line tension is 600V.

VFDs from the extended range of Emotron 690V wall mounted FDU's with wireless communication covering the power range 1,5-200kW are used.

### Regulating flow and pressure with Emotron VFDs

The end user performs dyeing of products for technical textiles and materials processed are nylon, polyester, Kevlar and other technical fibres.

All the machines' pumps are controlled by VFDs and every machine is equipped with a PLC connected to the drive for the diagnostics and registration of current consumption and a detailed energy report.

The drive controls flow and pressure on a special pump installed on a textile-dyeing machine. The Emotron FDU regulates flow and pressure by continuously adapting motor speed. There is no energy wasted and no unnecessary equipment wear.

The customer found in MADS Srl an important and reliable partner with the ability to cooperate and follow the company in the development of new machines and support in the calibration of Emotron VFDs.



**CG Drives & Automation Sweden AB**

Headquarters:  
Mörsaregatan 12  
Box 222 25  
SE-250 24 Helsingborg  
Sweden

Phone: +46 42 16 99 00  
[info.se@cglobal.com](mailto:info.se@cglobal.com)

To find your local Emotron contact, please visit [www.emotron.com](http://www.emotron.com)