

MAS - Shaft mounted geared motors for ATT type industrial mesh welding systems

The company EVG Entwicklungs- und Verwertungs- Gesellschaft m.b.H headquartered in Raaba, Austria, produces and sells powerful mesh welding systems. Watt Drive supplies this global player with powerful drive components from the WATT MAS range of geared motors. The drive motor can be connected simply and easily using the expanded connection box (MIP box),...



The range of products manufactured by the company EVG - who will once again be represented this year at WIRE 08 in Düsseldorf - primarily consists of:

- Complete mesh welding systems and truss girder welding machines
- Automatic rebar straightening, cutting and shaping machines
- EVG 3D construction technology with 3-dimensional, insulated construction panels
- Steel wire cold rolling lines
- Wire processing machines

The ATT type mesh welding line (figure 1) is used to manufacture welded mesh sheets for concrete reinforcing and industrial mesh for many different applications.

The powerful welding units use high-precision pressure welding to produce sheets which are then stacked using sheet stackers (SH3). The products are transported from the system using chain conveyors (CTS), achieving a consistently high degree of automation.

Watt Drive series A shaft mounted geared motors, type "ASA 66A 114M4 TH" (figure 2), with the expanded connection box (MIP box), reliably convey the products from the welding machine through to the removal point at the end of the line.



Figure 1: ATT type industrial mesh welding system

MAS modular drive system:

The combination of frequently used motor options in different configurations such as:

- Brakes (-BR)
- Incremental and absolute value encoders (- IG, - SSI)
- Forced cooling (-FL)
- Anti condensation heating (-SH) and
- Thermal elements (TH, TF)

based on WATT EUSAS system motors, demands a modern and simple connection concept due to the wide variety of designs. The MIP box can be fitted with up to 22 slots including bridge rectifiers for brake control.

Terminal boxes for IEC motor sizes 63 - 180 are available.



Figure 2: Shaft mounted geared motor ASA 66A 114M4 TH with MIP box

Benefits to the customer:

- **Central motor connection technology** (complete wiring in one terminal box)
- **Large terminal box** (easy-to-use cage tension spring connections)
- **Compact design of the entire MAS geared motor range**

For more information on the Watt product range, please visit our website at www.wattdrive.com.