

# MAZZOLA ENGINEERING

Mechanical Engineers & Consultants since 1976

**Continuous Coil Feeding Equipment**

**OEMB "AN-TRONIC" Digital Control**



MAZZOLA ENGINEERING SA, CH-6537 GRONO/Switzerland – PO Box 72  
Phone & Fax: +41 (0)91-827-1414 – e-mail: [info@mazzolaengineering.ch](mailto:info@mazzolaengineering.ch)  
[www.mazzolaengineering.ch](http://www.mazzolaengineering.ch)

# MAZZOLA ENGINEERING

Mechanical Engineers & Consultants since 1976

Digital AC Drive Control  
Installed Power: 250 A

Industrial PC with OEMB proprietary software

The screenshot shows the main control interface of the OEMB software. It features a menu bar with 'File', 'Zoom', 'Tools', and 'Help'. Below the menu is the OEMB logo and a navigation bar with buttons for 'Schliessen', 'Parameters', 'Anmelden', 'Alarm', and 'Hauptmenu'. The main area is divided into several panels:

- Encoder Einlauf:** Displays speed (0.0 m/min) and quantity (300.5 m).
- Bandspeicher:** Shows status (Voll, Fast leer, Leer) and storage amount (279.9 m) with a 'Reset' button.
- Encoder Auslauf:** Displays speed (0.0 m/min) and quantity (20.6 m).
- Einlaufgerüst 1 & 2:** Shows speed and current (0.0 A) for two different hoists.
- Drehteller:** Shows speed (0.0 m/min), correction (0.0 %), and current (0.0 A) with '+' and '-' buttons.
- Handbetrieb:** A control panel with checkboxes for 'Geschwindigkeit Linie', 'Hilfsreiber', 'Einlaufgerüst', and 'Drehteller'.
- Generell - Steuerung aus:** A status indicator with a 'Reset' button.

The screenshot shows the 'Parameters' configuration screen in the OEMB software. It includes the same menu and navigation bar as the main interface. The parameters are listed in a table:

Parameters		1/2
Encoder Einlauf	Durchmesser	159.2 mm
Encoder Auslauf	Durchmesser	159.2 mm
Bandspeicher	Hysterese voll	50.0 m
Einlaufgerüst	Geschwindigkeit Linie	60.0 m/min
Einlaufgerüst	Geschwindigkeit in Handbetrieb	15.0 m/min
Einlaufgerüst	Beschleunigung in Handbetrieb	2000.0 m/min <sup>2</sup>
Einlaufgerüst	Beschleunigung Automatikbetrieb	1000.0 m/min <sup>2</sup>
Drehteller	Rapporto di carica	160.0 %
Einlaufgerüst	Einstellung Ladegeschwindigkeit	150.0 %
Einlaufgerüst	Geschwindigkeit mit Haspel fast leer	20.0 m/min
Einlaufgerüst	Tippgeschwindigkeit mit Haspel fast leer	2.0 m/min
Einlaufgerüst	Max Geschwindigkeit	156.0 m/min
Einlaufgerüst 1	Durchmesser	250.0 mm
Einlaufgerüst 2	Durchmesser	250.0 mm
Drehteller	Durchmesser	2200.0 mm

MAZZOLA ENGINEERING SA, CH-6537 GRONO/Switzerland – PO Box 72  
Phone & Fax: +41 (0)91-827-1414 – e-mail: [info@mazzolaengineering.ch](mailto:info@mazzolaengineering.ch)  
[www.mazzolaengineering.ch](http://www.mazzolaengineering.ch)

# MAZZOLA ENGINEERING

**Mechanical Engineers & Consultants since 1976**

*MAZZOLA ENGINEERING has delivered the first of two Continuous Coil Feeders equipped with the recently developed "AN-TRONIC" Digital Control System.*

*The Control is based on an Industrial PC and uses a proprietary software developed by our Partners OEMB SA of Giornico, Switzerland.*

*Beside controlling the 3 AC drives installed (2 for the Entry Pinch-Roll and 1 for the Accumulator's Turning Table) it manages all functions of speed synchronisation as well as of quantity of material feed.*

*All parameters are easily inserted on the Touch-Screen Monitor following an easy to understand man-machine dialog pattern.*

*The CCF is automatically controlled; its status is displayed in real-time and can be visualized on the screen at any time.*