

## NOVATRONIC C3

The **NOVATRONIC C3** is the further development of the proven electronic control unit *NOVATRONIC C2*.

Used as digital plasticity and moisture control system of clay material in Brick and Klinker Works, Roofing tile works, Handmade brick fabrication, technical ceramics and more application used clay materials.

Advanced functions and the analysis of the production process in preparation and shaping by data acquisition and archiving in a database in connection with integration into the company network guarantee you a high degree of automation.

### Control

The **NOVATRONIC C3** is based on a PLC controller and is for single processing machines and production lines with up to five processing machines like pan mills, rotary screen feeder, single and double shaft mixer feeding extruder.

Following parameters can be used to regulate the addition of water, steam and dry substances with the **NOVATRONIC C3**:

- moisture [ % ]
- current consumption [ A ]
- plasticity [ % ]
- temperature [ °C ]
- weight [ kg ]
- material flow [ cm<sup>3</sup> ]
- level detection [ % ]
- belt speed [ ms<sup>-1</sup> ]

The customer has the choice in the **PLC hardware** between a **SIEMENS S7** or a **B&R** solution.

### Analysis

We know how important is the evaluation of the production process, so the measured data stored in a database and displayed graphically. In addition to the control parameters, the following data's can be stored additional in the database:

- consumption of water / steam [ L ]
- temperature of water / steam [ °C ]
- flow rate of water / steam [ Lh<sup>-1</sup> ]
- consumption of material [ kg ]
- active power [ Ws ]
- load profile [ W ]

**Customized desires can be integrated.**



## Cross Linking

With the **NOVATRONIC C3** it is possible all measured Data to import to your company network. About a secured VPN connection the data security is ensured. Thus, even the operation of the **NOVATRONIC C3** mobile or from the office possible.

With the **NOVATRONIC C3** we offer a remote service and diagnostic based on a broadband data connection for visual and acoustic communication between customers and service technicians.

