HAVER & BOECKER

HAVERquattro
DATA EXCELLENCE FOR YOUR SUCCESS

A HAVER & BOECKER Company

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Current plant status
- plant condition
- current output
- current product types
- bag counter
- last malfunction
- > **Your benefit:** Site-remote analysis and correction of parameters that keeps the plant at a high performance level

Fault statistics
- display of current messages
- evaluation of the single fault message frequency
- evaluation of single fault message duration
- Report
- > **Your benefit:** Greater machine operating time and improved machine efficiency through exact analysis and malfunction resolution

Machine log book
- value change in the parameters
- messages
- change log-in
- product change
- operating status
- > **Your benefit:** Greater productivity through exact analysis of the production values and possibility of immediate correction of corresponding settings

Weight report
- every single weight
- trend display
- report (mean value, sigma, etc.)
- > **Your benefit:** Reduction of faulty weights, and thus greater output

Data-Driven Services
- All systems are optionally available with the constant online data transmission of useful performance data and for remote technical maintenance.

Integra FFS Edition
L-15-01-41-01

Type number:	Granulat
Target weight:	25 kg
Power:	2093 s/h
	52 t/h
Bag counter:	0063754 bags
Daily production bag count:	0000035 bags
Power Input:	1.6 kW/h
Air consumption:	80 m³/h
Maintenance after:	12798 cycles
	6 h

User: Service

Shift reports
- produced amount
- produced products
- operation time
- energy consumption
- bag consumption
- > **Your benefit:** Traceability of production batches in the event of complaints and long-term analysis of production results.

Energiemanagement
- recording of energy consumed
- display of energy consumed
- report on energy consumed
- analysis of the consumption behavior (time, peaks)
- > **Your benefit:** Reduce energy costs through targeted energy purchasing (rebates through reporting)

Preventive maintenance
- counter for each single movement (signal when operating start is reached)
- operating time of each machine / drive unit (signal when operating time is reached)
- analysis of changes in behavior (signal when there is a change in behavior)
- computed time until the next maintenance
- > **Your benefit:** Reduction of maintenance costs and greater machine operating time

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Action signals
- automatic alarm given off when limit value exceeded
- automatic alarm given off for pre-defined machine signal
- > **Your benefit:** Greater machine operating time through more rapid analysis and immediate implementation of necessary setting corrections
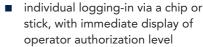
Diagnostic lamps
- BLUE = machine is in operation
- WHITE = inspection mode with open doors
- RED = display of a fault message
- > **Your benefit:** Diagnostic lamps enable the recognition of the machine status from a distance and allow reaction without a loss of time
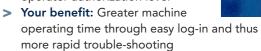
Interactive touch-panel
- parameters in 3D images for different operating messages (using images, text messages and button descriptions)
- > **Your benefit:** easy and precise system operation

Personalized RFID log-in
- individual logging-in via a chip or stick, with immediate display of operator authorization level
- > **Your benefit:** Greater machine operating time through easy log-in and thus more rapid trouble-shooting

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