



Rheology Solutions

Rheology Solutions is the sole Australian distributor of this product range and we welcome the opportunity of discussing your application requirements.

*We hope the information you are seeking is contained within this file.
If you have any questions, or require further information please contact us.
We look forward to being of further service.*

Regards from the Team at Rheology Solutions.

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Colour Measurement System CM2

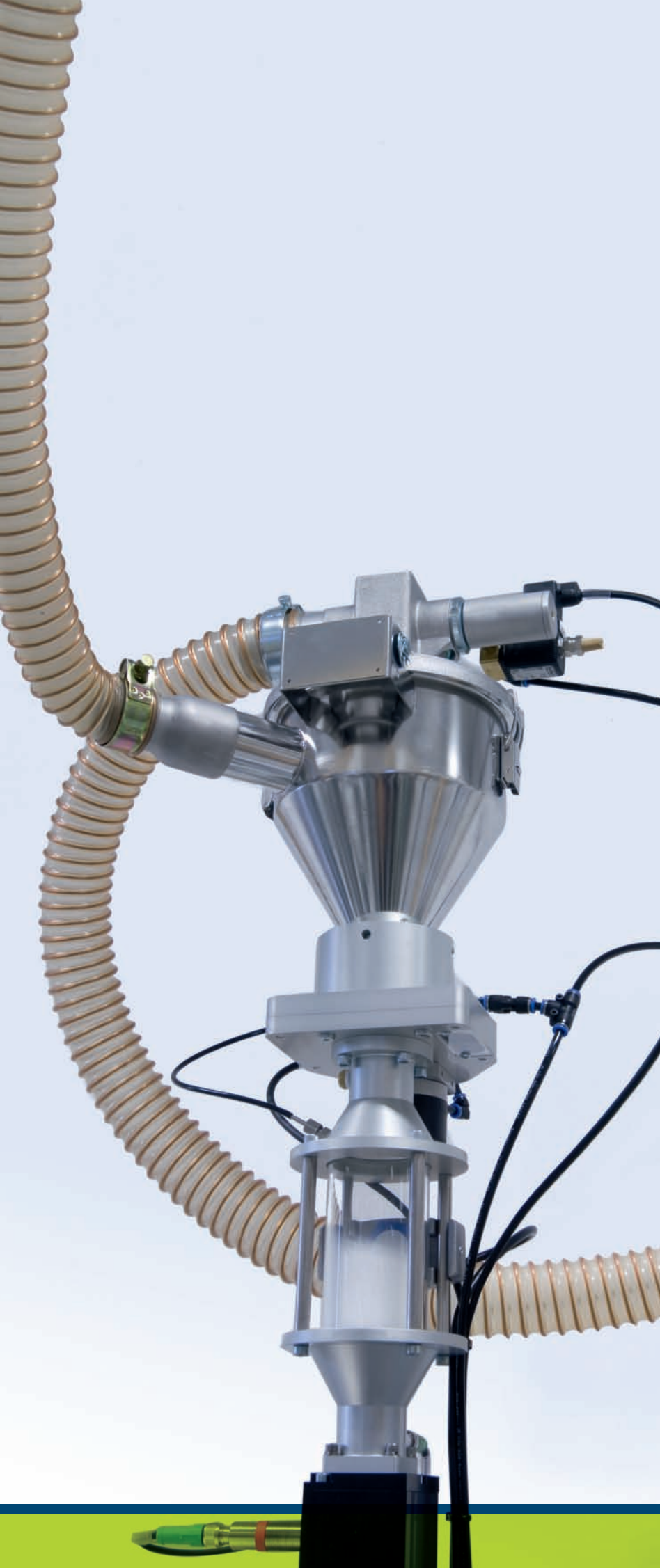
The CM2 system serves the automatic colour measurement of plastic granules. The granules are carried in a special measuring channel.

In the process it develops a granule column, which can be brought to the optimal measuring temperature through an air flush. In the measuring channel there is an opening which serves the measurement.

A rotary feeder (optional) provides a continuous transport of the granules. A colour spectrometer records the colour spectrum of the granules through the instrumentation opening and determines the colour of the granules.

Different colour displays or standards can be realised e.g. CIE-L,a,b/X,Y,Z as well as Yellowness Index. The data can be rounded up and assigned to a process control system.





Technical Data

PS25C

- Camera
3-CCD-chip colour matrix camera
- Lighting
High frequency synchronised fluorescent lamp white light spectrum;
Power consumption: 22 W

PSSD

- Camera
CCD Line Scan Sensor
- Lighting
High frequency synchronised fluorescent lamp white light spectrum;
Power consumption: 32 W
- Computer
Industrial Intel®Core™ 2 Duo
Up-to-date technology
- Software
Operating system Windows XP
Special Image Processing
- Physical interfaces
Ethernet 10/ 100 M Base T, USB, RS 485, RS 232, digital & analogue I/O, Fieldbus
- Communication protocol
MODBUS RTU, MODBUS TCP/ IP, OPC, SQL, file transfer (customised), PROFIBUS
Implementation to other Fieldbus-Systems possible
- Remote control
Extender max. 100 m
Service remote control
- Size dimension
(l,w,h) 120 x 50 x 170 cm
Weight approx. 120 kg
- Power supply
230 V AC/115V AC, 50/60 Hz
- Temperature
10 - 40 °C