



PrintControl for ColdEnd Control (CEC)

The Scheurich PrintControl System ensures a 100% control of the ampoules screen printing. The high resolution camera with its high speed sampling rate "made in Germany" ensures also a very high print control quality, even for fast processes with more than 90 Amp/min. The PrintControl highlights are:

- ✓ reading radius of 360° and up to 24 different monitoring windows
- ✓ high professional illumination level for best camera pictures
- ✓ increase of production quality through an high resolution camera "made in Germany" in combination with an effective sorting control
- ✓ the high resolution camera with an high speed sampling rate ensures an economical and productive production of ampoules (>90 Amp/min)
- ✓ fast detection of changes from the screen print quality leads to reduction of scrap
- ✓ connectable to MRS-Win and other MES systems for process documentation, statistics and process tracking data

Application PrintControl:

Description of hardware and performance

A high resolution camera with a high speed sampling rate and a special objective ensures an economical and productive production of ampoules. The most complex challenge for the print inspection is the choice and correct implementation of the backlight.

The detection works by comparing the current image with a reference image and performing an error analysis in real time.

The image is divided into several areas which can be adjusted with different settings and monitoring limits in order to ensure the printing quality for high sensitive and important printing passages.

The most complex challenge for the print inspection is the choice and correct implementation of a high and professional illumination level. Ampoules with detected screen printing errors are ejected automatically. Interfaces to MRS-Win or other MES systems (third party software) are available.

Dimensions:

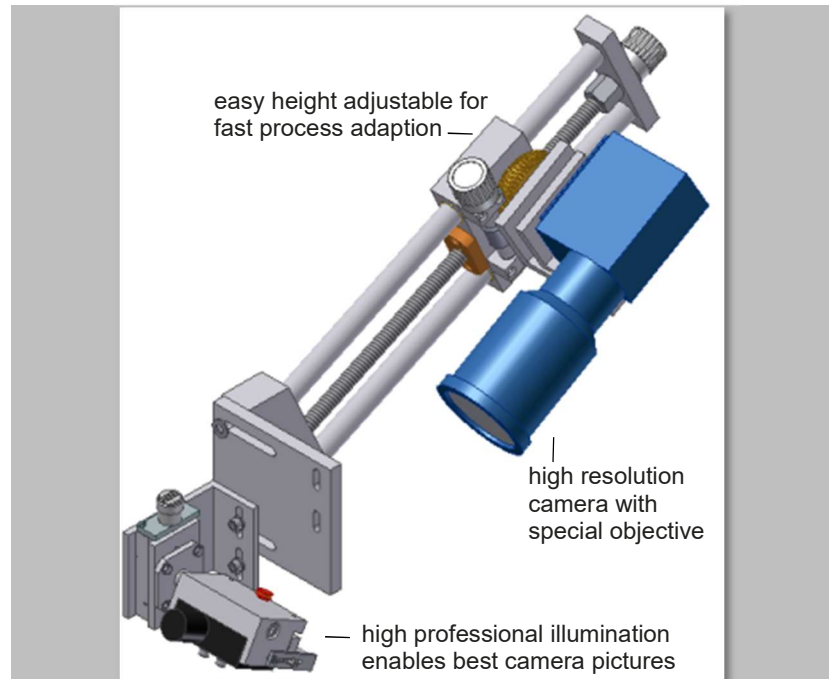
Camera incl. mechanical support
W 700x H 500x D 350 mm
Weight (approx.): 15 kg

Please note that some features are optional even if not specially mentioned. Modifications are without prior notice
Status: 2020-05-11-F

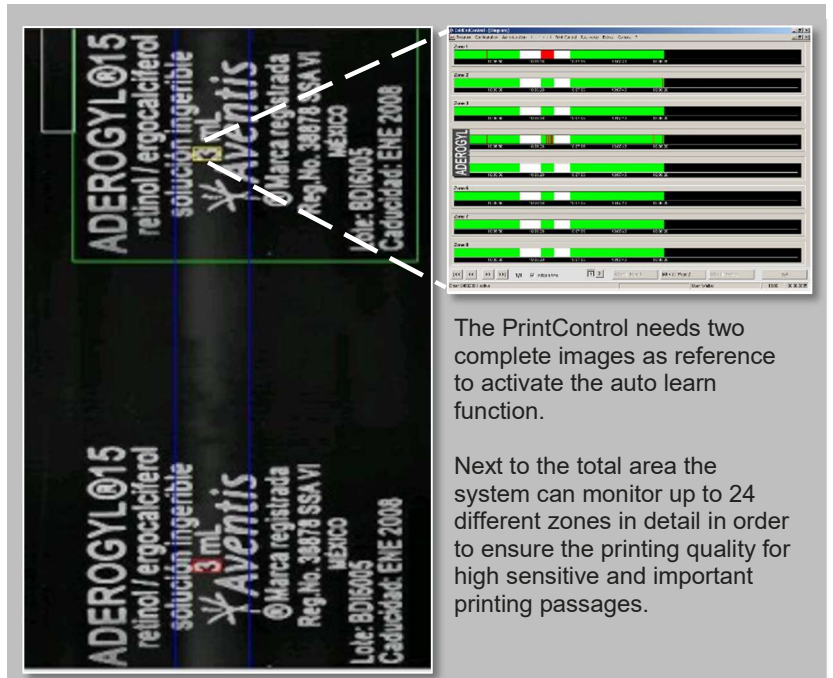
Next to the **PrintControl** following solutions are offered in addition*

- ✓ **OPC+RingControl**
- ✓ **HotEnd Inspection and Regulation**
- ✓ **BreakForceTester (BFT)**
- ✓ **FirstPiece Compensation (FPC)**
- ✓ **OPC – Cutter System**
- ✓ **MES-System MRS-Win**

*As complete provider of Hot- and ColdEnd inspection plus networking system, there is only one data interface for all data from the complete ampoule production line. **The signal exchange between all participants creates a maximum of data transparency.**



A high resolution camera with an high speed sampling rate and a special objective ensure an economical and productive production of ampoules. Even for high speed production with 90 ampoules per minute or more.



All printing inspection data is collected in the system and transferred to MRS-Win or another MES system for documentation and analysis.