



vipFLEX 335



Measurement solution for transparent flexo plates



**FAG Graphic Systems
CH 1003 Lausanne**



Packaging Solutions

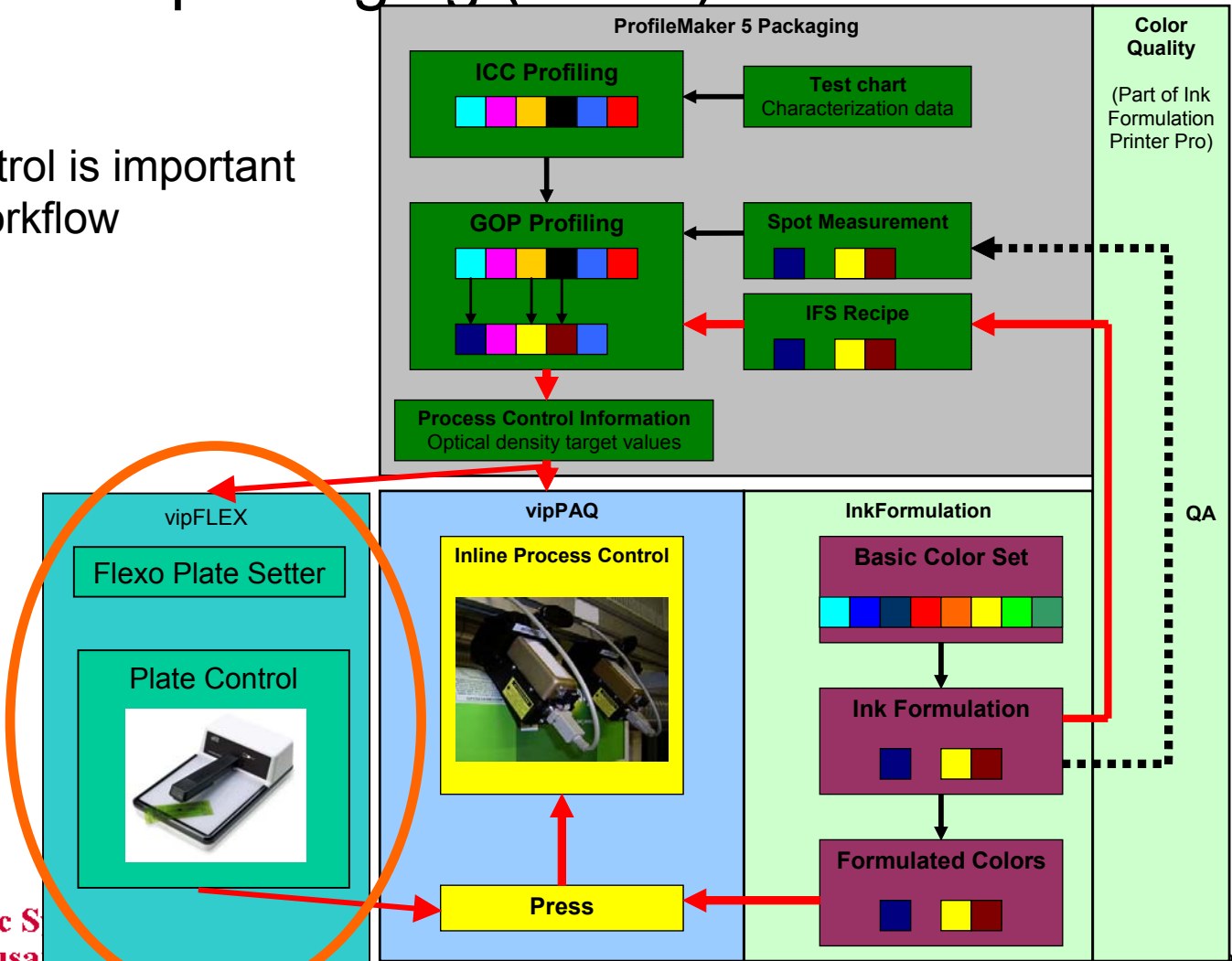
To successfully implement and achieve reliable results in Prepress and Pressroom, **solutions for all parts of the workflow are required:**

- Prepress/Color Management
- **Plate production**
 - For Offset printing (aluminum plates): iCPlate II solution
 - **For Flexo printing (flexo plates): New vipFLEX solution**
- Ink Preparation
- Press control
- Quality Control



Solutions for packaging (Flexo) workflow

- Plate control is important part of workflow





Customer Needs

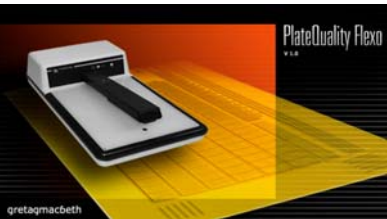
- Cost and time waste
 - Stopping the press, caused by insufficient quality of the printing plate production process, can be avoided before extensive amounts of paper and inks are wasted
- Output quality
 - Improve quality.
 - Give quality assurances to end customer
- Meeting ISO standards
 - The measurement values may be documented to meet traceability recommendations of ISO



Value Propositions

- Quality control of exposed and developed printing plates
 - **Early recognition of mistakes**
 - Avoid future problems in production process
 - Save time: No restart of the same job
 - Save ink and paper by running the press only with checked plates
 - **Obtain a quality proof of job**
 - **Reduce waste** of plates through a reduced number of iterations to obtain a corrected plate
- Reduced setup time for the Flexo CTP machines. Used to quickly calibrate Flexo CTP devices
- **Traceable data**, as with the PlateQuality Flexo Software all measurements are automatically stored

Description



- The vipFLEX solution included in each package:
- vipFLEX measurement device
 - Desktop flexo plate reader for transparent flexo plates
 - **New:** PlateQuality Flexo Software
 - Database software for plate quality assurance
 - Same look&feel as PlateQuality Software for iCPlate II
 - **New:** vipFLEX Target
 - Tool that allows to check the accuracy of the vipFLEX device at customer site.



vipFLEX Capabilities

- Measurements on the **all transparent flexo plate types** (90 % of all flexo plates).
- Supports **AM and FM screening** (FM limited to the highlights and shadows) , as well as “**Samba**” (Hybrid) screening on flexo plates.
- Beside **flexo plate**, screen measurements on **paper, film and aluminum plates** (offset) can be analyzed.
- **All needed parameters** for plate analysis are available: Dot area, dot size, screen ruling, edge factor, mottling and visual analysis.
- The **Micrometer** feature makes it possible to measure in the image. Therewith, e.g bar codes can be analyzed.



vipFLEX Technology

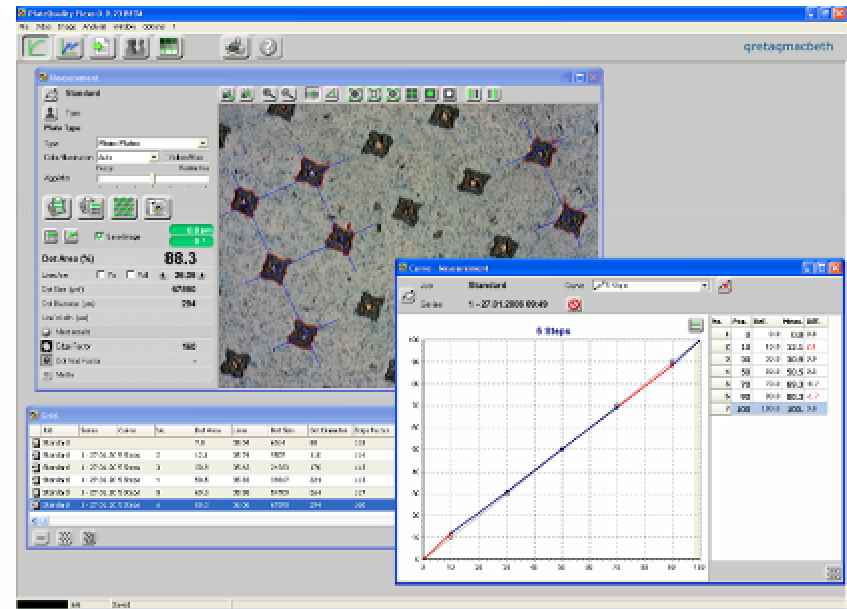
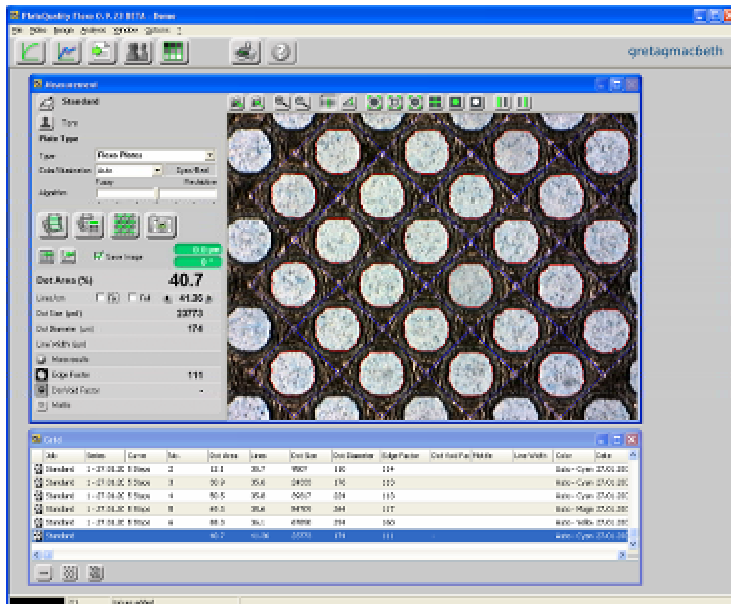
- Sensor SXVGA camera
1280 x 1024
- Resolution Sensor 14'000ppi
- Pixel size: 1.8 x 1.8 micrometer
- Illumination RGB (auto selection)
- Measurement area 2.3 x 1.9 mm
- Interface USB
- Power Supply USB (Standard)



PlateQuality Flexo Software (1)

Flexo plate quality assurance software with unique capabilities for fast and flexible quality control in flexo plate production

- Stores, visualizes, and documents both individual measurements and plate characteristic curve measurements
- Both measurement values and plate images are stored in a database





PlateQuality Flexo Software (2)

Benefits

History Tracking / Data Management:

- Automatic storage of measurement values and images in a database to **document and trace** all measurements.
- Contains job, customer, reference and measurement value database, to classify and order the data. This helps to **find and trace measurement data fast and easy**.
- All associated and relevant data, as plate type, screening, imager, chemistry data and more can be stored for a **traceable documentation**.
- **All types of control wedges are supported**, as the reference curves with the tolerance specification are customizable.

Data Processing:

- Measurement data and images can be **exported for a more in-depth analysis**.
- Measurement data and images can be **printed in multiple layouts** for documentation



PlateQuality Flexo Software (3)

System requirements:

- Pentium III 700 MHz or higher
- Windows 2000 or XP
- Min. 64 MB RAM, Min. 50 MB free hard disc space
- 2 USB ports (Dongle and device)
- Monitor with 24 bit color or more and a resolution of 1024 x 768 pixels or more

Miscellaneous:

- Supported devices:
 - vipFLEX, current FAG vipFLEX 335
- Supported languages, incl. Help:
 - English, German, French, Italian, Spanish, Chinese, Japanese, Russian
- Protection:
 - The software is dongle protected and is delivered with an USB dongle.

Demo Version (not dongle protected):

- For demo, the software can be used without a measurement device.
- Can be downloaded from our website: www.fag.ch

vipFLEX Target

vipFLEX Target allows to check the accuracy of the vipFLEX device at customer site.

Description

- The vipFLEX Target tool set is a reference plaque with a 9 step wedge and is valid for two years.
- To store and track the measurements the target is supported by the PlateQuality Flexo software.

Benefits

- The iCPlate Target gives the user the assurance that the iCPlate II measures correctly.
- **Support of ISO 9000** process with the possibility to store the data and to print out reports.

