

ipac

SPECIFICATION

COLOUR MATCHING

CHANNEL SPECIFIC
TOLERANCES

CERTIFICATION

BENEFIT



The rotogravure version makes it possible to reproduce a fixed production standard for rotogravure printing based on ACMS™ zero measurement information.

Functions:

- Separation of individual printing colours from the decorative pattern scanned with ACMS™ zero
- Support of colour reproduction through suggestions out of the printing unit detection
- Certification of colour approval and productions based on ACMS™ zero certificates
- With ACMS zero, measurements can be carried out in accordance with ISO 24585-2:2023

ACMS™ zero Rotogravure Printing





Specification & Dimensions ACMS™ zero

Specification:

- Geometry - 45 ° / 0 °
- Measuring area - 115x300 mm (920px x 2400px)
- Spatial resolution - 125 µm (203 dpi)
- Spectral range - 380 - 780 nm
(5nm resolution => 81 bands)
- Spectral resolution - 5 nm
- Light source - LED (20.000h)
- Compliant to ASTM / CIE / ISO color measurement standards
- High absolute inter instrument agreement



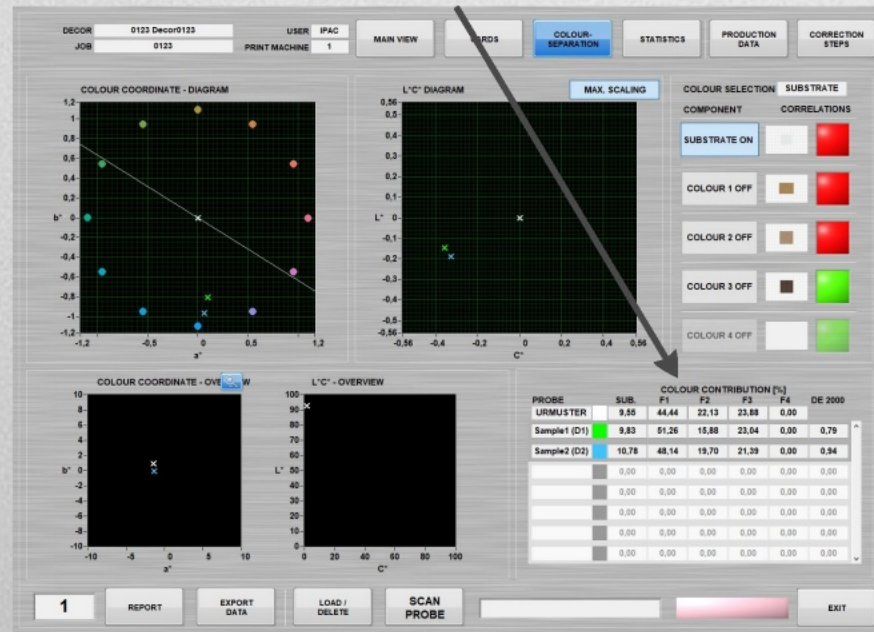
Dimensions:

- Width - 0,90 m
- Depth - 0,60 m
- Height - 0,50 m

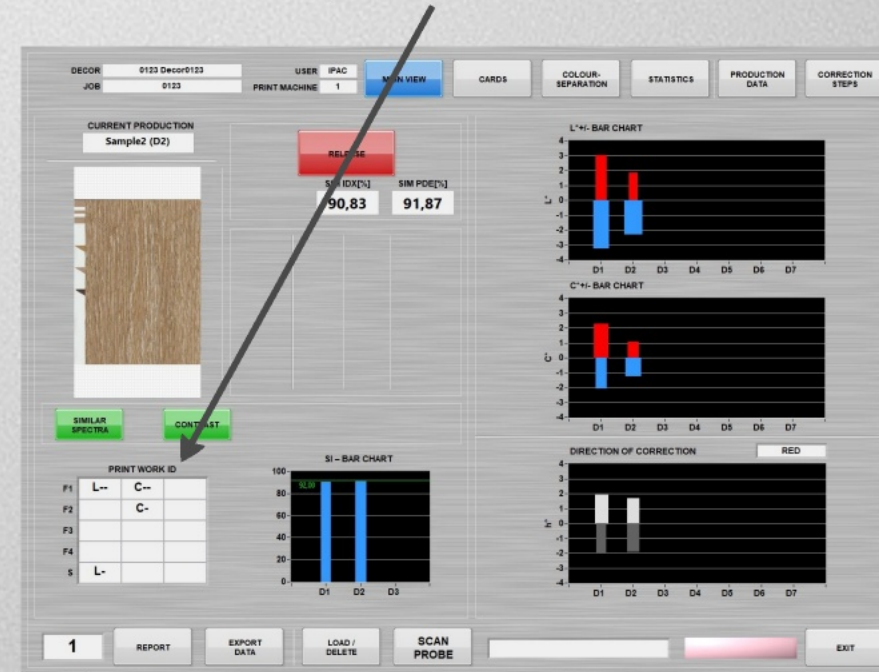


Colour Matching - Colour Separation & Printer Identification with ACMS™ zero

Separation of individual printing colours from the decor and calculation of the percentage of contribution for each individual colour of the decor



Support for colour reproduction through suggestions out of the printing unit detection



Channel Specific Tolerances ACMS™ zero

- Decor specific tolerances for the values L^* , C^* , h° , DE 2000, contrast and similarity index are set in the tolerance value manager.
- Channel specific tolerances protect against colour drifts and avoid “final approval” discussion.

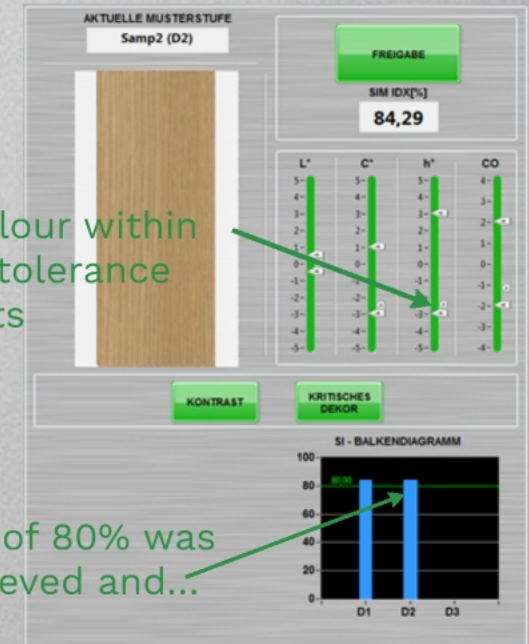
... colour outside the tolerance limits

SIM of 80% was achieved but...



...colour within the tolerance limits

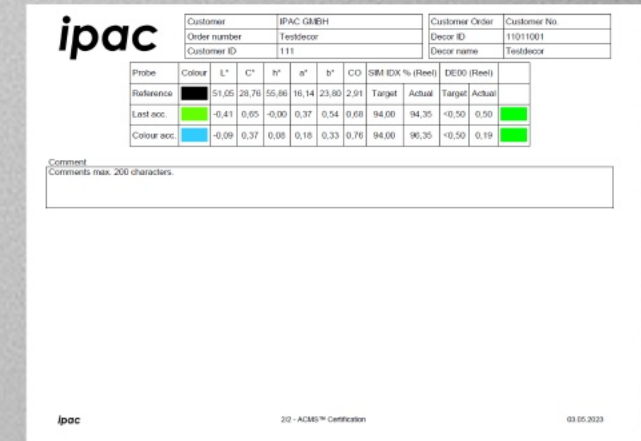
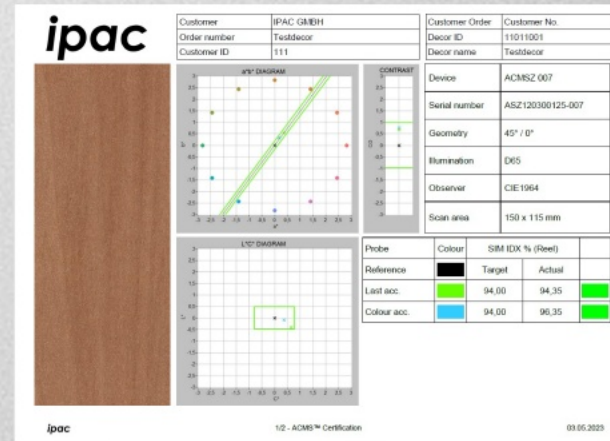
SIM of 80% was achieved and...





Certification with ACMS™ zero

- The objective measurement replaces the subjective (visual) quality control
- Creation of, ISO 24585:2023 conform, ACMS™ zero certificates
- Quality control based on the similarity index and channel-specific tolerances
- Certified production stability
- Certification of decorative products





Customer Benefit ACMS™ zero

- Replacement of visual assessment by objective measurement → standardization
- Stopping the colour matching process as soon as possible → time and cost savings
- Production control, identification of colour drifts and production variations
- Customizable tolerance limits (similarity index, channels L *, C *, h° and contrast and DeltaE2000)
- Individual certification for customers
- Cost savings through the elimination of physical samples and the associated logistics
- Consistent documentation of the process → basis for subsequent optimization
- No internal or external complaints
- Reduction of the psychological stress on employees
- Support of several production lines
- Monitoring of different production stages (e.g. painted, unpainted)



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