



# Narrow Web Dispenser Solutions

# Compact Dispensing System VX5

For the small to medium sized label printer

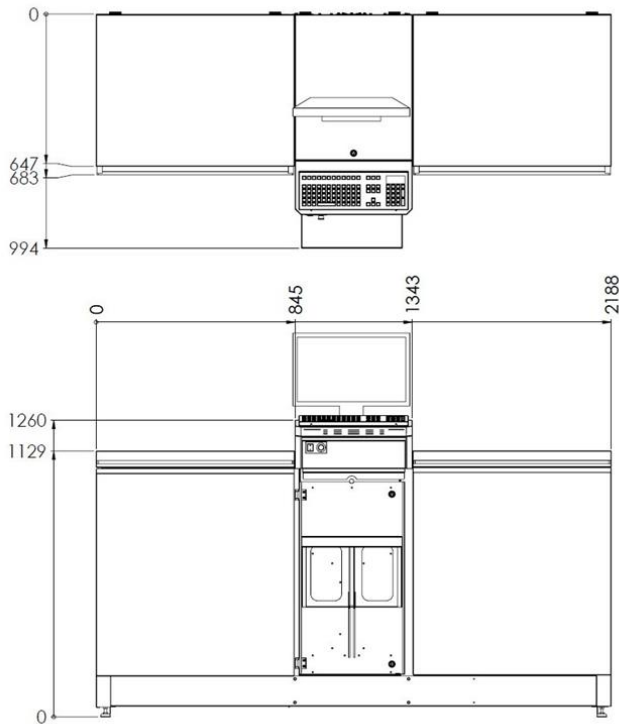


- Up to 18 components
- 5 or 10 L stainless steel containers with stirrers and recirculation
- Suitable for UV curing flexo and screen ink with low to medium viscosity
- Choice between volumetric or gravimetrically controlled dispensing (with 3,6 kg scale, 0,01 gr)
- For small to medium size dispensing quantities ranging from 50 gr up to 5 kg
- Smallest dispensing amount 0,05 ml\*
- Pump performance up to 1,2 lt/min\*
- Dispensing accuracy +/- 1 %\*
- Possible dispensing speed for 1 kg less than 2 min volumetrically or approx. 4 min gravimetrically controlled\*

\*depending on rheology

# Compact Dispensing System VX5

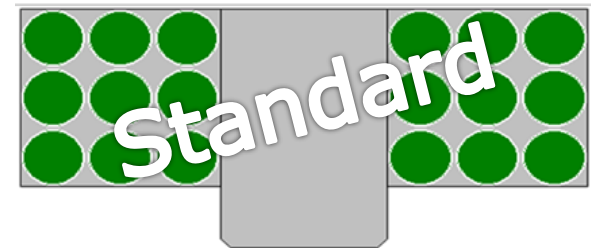
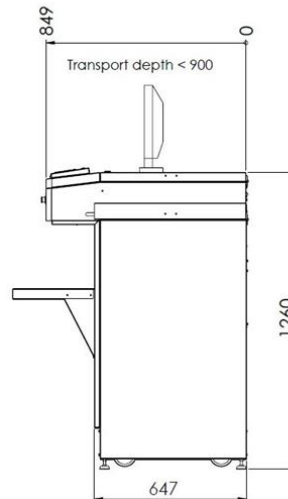
## Configuration for Narrow Web Applications



Approximate dimensions

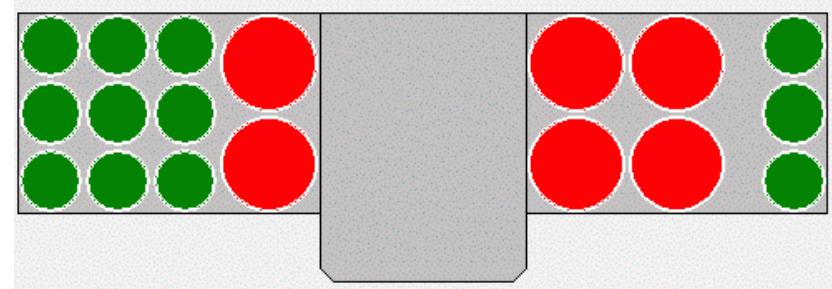
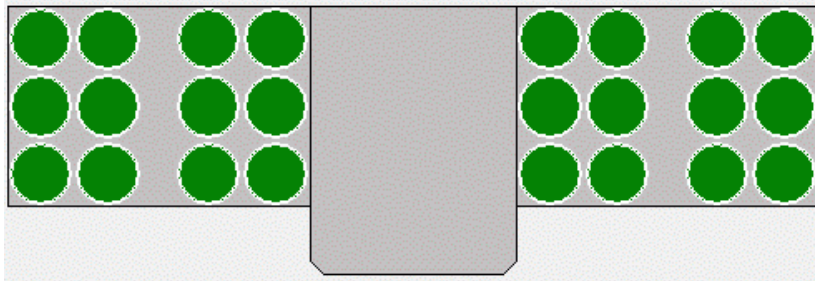
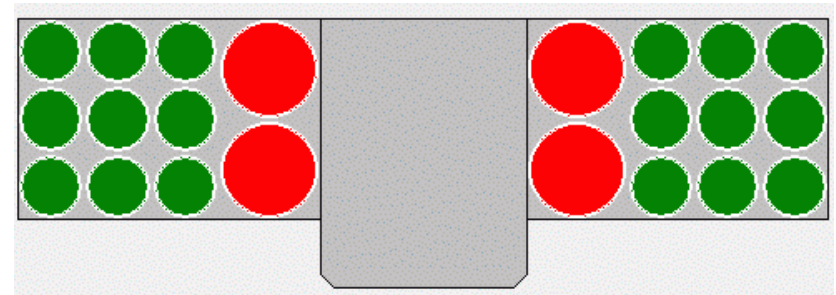
VX5 - 1848

Note: when cover is open  
max. height of the VX5 is 1700



# Compact Dispensing System VX5

## Upscaling Options

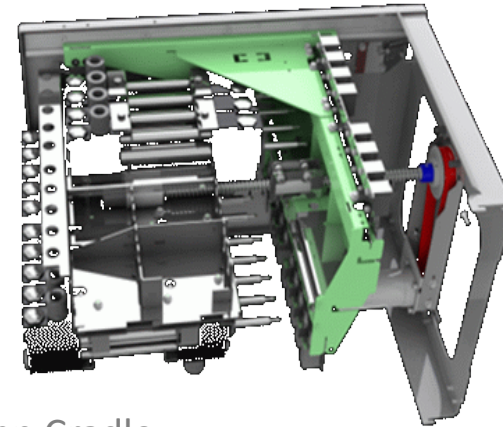


# Compact Dispensing System VX5

## Technical Features



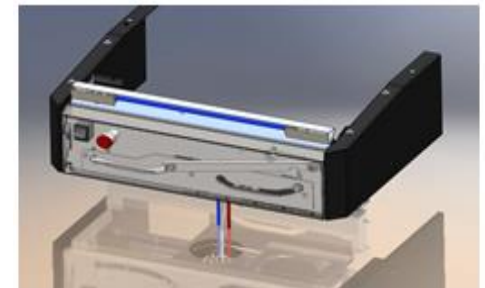
Double Piston Pump



Pump Cradle



Container with  
Recirculation and Stirrer

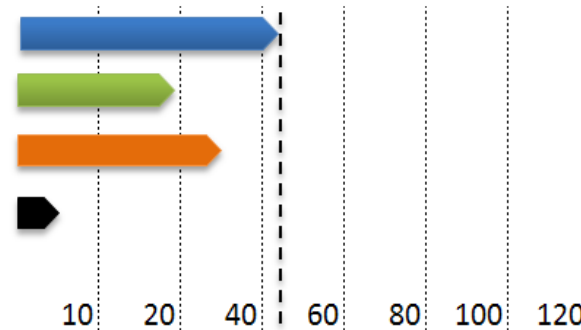


Simultaneous Dispense Head

## Volumetric / Simultaneous Dispensing

Rezept-Komponente	Spez. Gewicht kg/l	Rezept-anteil %	Dosiermenge bei einer Batchgröße von: 3 kg	Dosierzeit bei Ø-Pumpenleistung von : 1,5 l/min
A	1,22	46,00%	1,38 kg	45 sek.
B	1,05	17,00%	0,51 kg	19 sek.
C	1,38	33,00%	0,99 kg	29 sek.
D	1,02	4,00%	0,12 kg	5 sek.

Simultane Dosierung der Rezeptkomponenten



Die Dauer der simultanen Dosierung von mehrkomponentigen Rezepturen orientiert sich stets an der grössten zu dosierten Komponente.

Dosierdauer bei simultaner Dosierung:



Zum Vergleich: Dosierdauer bei sequentieller Dosierung:

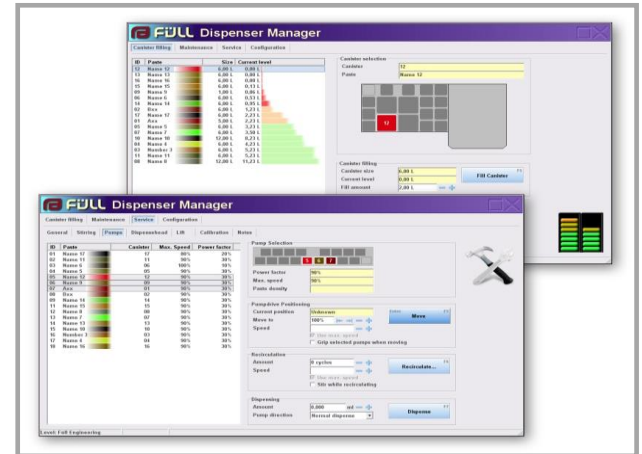


Parallel dispensing of all formula components allows a striking speed advantage compared to the gravimetric dispensing process.

## Dispenser Manager



- ▶ Control via PC and monitor
- ▶ Operating system of the dispenser
- ▶ Interface to formula management software “Aurora” or third party solutions, e.g. “X-Rite”, “Datacolor” or “Konica Minolta”
- ▶ Spectrophotometer and scale interface
- ▶ Online remote service (optional)



# Compact Dispensing System VX5

## „Aurora“ Formula Management Software



## „Aurora“ Formula Management Software

- modern, user friendly and flexible operator interface
- Variable interface to various software for data import and export
- Up to 7 different user levels available
- Press return ink management
- Batch tracing by means of entered batch numbers
- Label printing with graphics and barcode
- Colour shade search with LAB values
- Dispensing of job lists in conjunction with automatic can feed on a carousel

## Special versions



Automatic external filling unit



Automatic empty tin in-feed  
system with carousel

## Process Automation

- High colour shade accuracy
- Better reproducibility of repeat orders
- Less quality fluctuation

## Reduction of influence factors

- Quality of ink mixing independent from operator qualification
- Automatic homogenisation of basic colours
- Clear series distinction with low migrations inks
- No contamination by critical photo initiators
- Higher cleanliness at workplace

## Quality Assurance

- Check refilled ink via barcode scanner and align with container content
- Batch tracing, automatic import of batch number via barcode scanner
- Interface to spectrophotometer for quality control purposes
- Documentation for DIN ISO use
- Comprehensive statistical data available

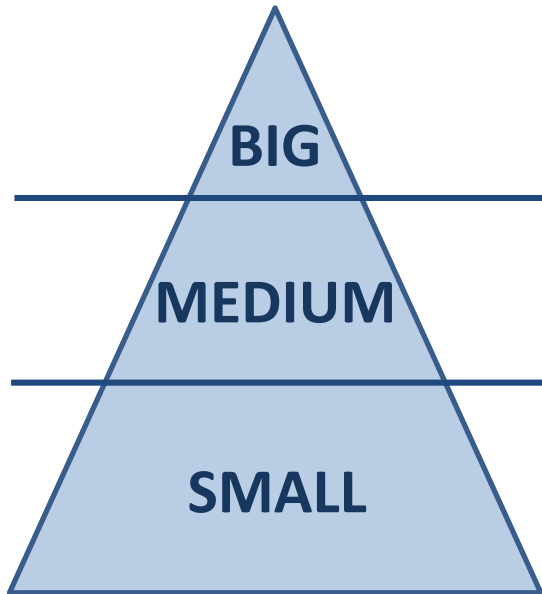
## Productivity Increase

- Higher efficiency through less refinishing
- Reduction of set-up times due to faster colour mixing
- JIT preparation of ink quantities for production
- Small batch sizes for remixes during running orders possible

## Cost Reduction

- Smaller ink consumption
- Less ink waste and smaller storage quantities
- Reduced capital tie-up due to smaller ink warehouse
- More space in warehouse and print shop
- Reduction of packaging waste and misprints
- Lower external and internal logistics expenses
- Amortisation realistically achievable within 12 - 18 months

## Differentiated by customer size



- ✓ Financed through a frame contract with the ink manufacturer
- ✓ Joint investment of label printer and ink supplier
- ✓ Investment by label printer, purchase the system from either the ink supplier or machine manufacturer

***A dispensing machine is a very worthwhile investment with a typical ROI of less than 2 years***



- The Manual Dispensing Pack enables the user to manage large formula databases and manually mix batches of ink or other liquid media with reliable and consistent results
- It comprises a computer with keyboard and mouse, the software AURORA MIX and a high accuracy 15 kg scale
- It is the optimal solution for efficient manual ink mixing in a print shop environment and can be used with many ink types.

## FS-MDP



## Specification

- AURORA MIX – Ink and Formula Management Software
- Scale 15 kg ( $\pm 0,05$  g readability) with RS232 interface
- All-in-One PC with Windows 7
- Manage base inks and formulae database
- Management system for press return inks
- Extensive batch traceability functions
- Spectro interface to X-Rite
- Report functions

## Options

- Label printer
- Barcode scanner
- Interface to ERP systems



- Suitable for all UV ink systems with low to medium viscosity and a high volume e.g. pre-print white or printing varnish
- Pumping printing ink out of 200 kg drums
- Feeding of product by diaphragm pump
- Adjustable recirculation

