



TECHNICAL DATA

Components	Up to 20
Dispensing valves' size	DN18
Dispensing Accuracy	1 g (0.1 g upon request)
Scale platform capacity	6, 15, 30 kg
Average Dispensing Time	5 min for a 1 Kg batch
Viscosity Range	Up to 100,000 cP

POLARE

for high viscosity products

The InkMaker POLARE is an innovative and versatile automatic dosing system, ideal for the dispensing of high viscosity inks, enabling a mixture of ink technologies to be handled through a single head directly from the original ink containers.

Fully automatic and easy to operate, it requires minimal input.

Blending operations are performed in few simple steps and with **perfect accuracy**

The POLARE can accommodate a maximum of 20 DN18, **high precision, multi stage dispensing valves**

Single dispensing point allows dispensing in any container of small size

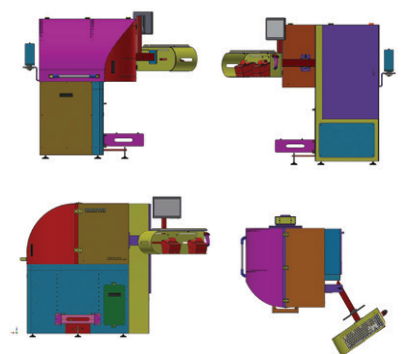
The number of dispensing valves is **based on the actual customer's requirements**

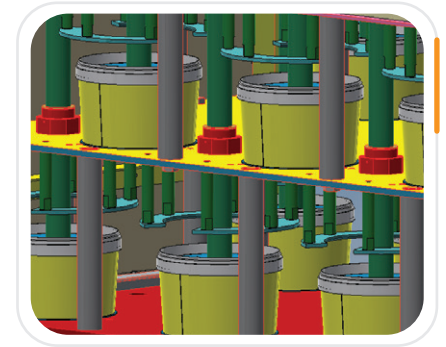
Valves are individually activated through pneumatic cylinders.

Valves' cleaning is not required, the special shutters flat design ensures a sharp breakaway of ink drops, leaving the valve's nozzle clean after dispensing.

Extremely compact and with a very limited footprint, the POLARE comes in different layouts based on the available area.

The concept Polare combines a *Dispensing head Module* with a *High Viscosity Module*





The High Viscosity module can handle up to 20 components and it is fitted with a specially designed press-out mechanism c/w press pumps equipped with rubber follower plates. The module is engineered to store the inks in their original packaging, 2.5 , 3 and 5 kg plastic or metal cans.

In case of larger size storage containers, additional components can be placed outside of the module and handled through suitable pumps and piping

The system management and automation are run by **InkMaker software**

A weigh summary sheet is printed for each batch **showing the exact batch information.**

The Software includes a wide choice of reports such as: dispensed formulas, job costing, production history, stock availability, etc.

Complete production traceability with the use of a bar-code system c/w bar-code reader and bar-code label printer

Available options:

- Automatic lifter for dispensing containers

The Polare can handle both **water based as well as solvent-based products (Ex- ATEX or IEC-EX - version)**

ADVANTAGES

Extremely easy to operate with user friendly interface which can be linked with the most common ERP and MRP programmes

Easy interface with any brand of spectrophotometer

Consistent formula reproduction insuring correct product repeatability

Single point dispensing; it can dispense into containers of any size

Production of the right quantity whenever needed

Dispensing parameter self-adjustment ensures optimal accuracy

Major stock reduction and rationalisation

Seamless stock management with stock information, graphic components' stock display, stock auditing and batch cost evaluation

Optimized recycle-management

Elimination of wastage

Complete tracking of operation and ISO compliance traceability

Password protected formula database and automatic back-up to prevent data loss

On demand reports on production statistics with over 100 reports for KPI assessment

Production planning