



## TECHNICAL DATA

Components	Up to 20
Dispensing valves' size	DN14
Dispensing Accuracy	1 g (0.1 g upon request)
Scale platform capacity	6, 15, 30 kg
Average Dispensing Time	3 min for a 10 Kg batch
Viscosity Range	up to 5.000 Cps

# POLARE

*for low viscosity products*

The Inkmaker POLARE is an innovative and versatile automatic dosing system, ideal for the dispensing of concentrated and low 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 DN14, **high precision, multi stage dispensing valves**

**Single dispensing point allows dispensing any container of small size**

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

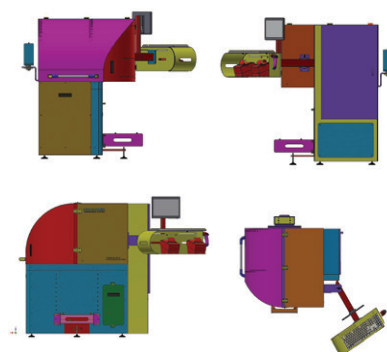
Valves are individually activated through pneumatic cylinders.

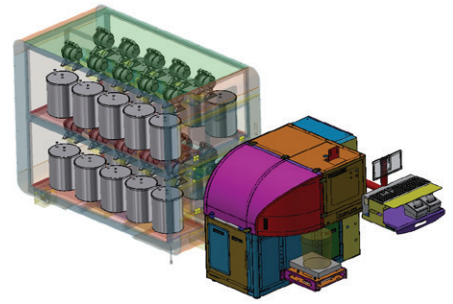
Polare is equipped with a **values wet cleaning system** which leaves the nozzles neat after each dispensing.

A pneumatic 1/4" pump and a dedicated pipe line deliver the solvent to the washing device, ensuring the cleaning of the nozzles.

The washing solvent is stored into a 25lt pail

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





The concept of Polare combines a **Dispensing head Module** with a **Low Viscosity Module**

From the **Low Viscosity module**, the products are pumped to **Dispensing Head** through a piping network using ½" pneumatic double diaphragm pumps. The module is engineered to store the inks in their original packaging, 5, 10 and 25 l pails size only.

The **Low Viscosity module** can store up to 20 components.

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 **Inkmake 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** (☒ - 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*