



— SEMCO CONSUMABLES  
Packaging & Application Systems

# SYNOPTIC

## CARTRIDGES .....



P 126

## PLUNGERS .....



P 126

## SEMKIT .....



P 127

## NOZZLES .....



P 128

## SEALANT SMOOTHING TOOLS .....



P 129

## ADAPTATERS .....



P 129

## DISPENSING GUN .....



P 130

## SEMKIT PACKAGE MIXER .....



P 131

TO ORDER, PLEASE CALL +33 (0)1 39 62 40 92



# CARTRIDGES AND PLUNGERS

## CARTRIDGES



Disposable plastic cartridges are available in 1, 2.5, 6, 8, 12, 20, 32 oz. (approximate metric value 30, 65, 170, 230, 340, 610, 950 cc) and 1/10th gallon capacities. Available in low or high - density natural polyethylene, all sizes are fit with 1/4» NPT (6mm) female thread dispensing orifice. Special colours are available, however minimum order, lead time, and pricing considerations apply.

CP and CWP cartridges are the standard Semco® cartridge with either a P or WP plunger inserted. This inserted plunger allows for filling from the dispensing end, reducing the potential for air entrapment and improving

## PLUNGERS



Precision molded plungers are available in three styles. Each style has its own functional characteristics. All are designed to fit the cartridge contour, assuring complete dispensing and the elimination of waste.

- WP or Wiper Plunger : highest amount of interference
- The P-plunger has medium interference
- The PRS or Pressure Relief Plunger has the least interference

CARTRIDGES ONLY	PART NUMBER	CARTRIDGES WITH PLUNGERS	PART NUMBER
1 oz. (30cc) LD	220307	CP 2.5 oz. (65cc) LD	220323
1 oz. (30cc) HD	233222	CP 2.5 oz. (65cc) HD	220324
2.5 oz. (65cc) LD	220315	CP 6 oz. (170cc) LD	220325
2.5 oz. (65cc) HD	220316	CP 6 oz. (170cc) HD	220326
6 oz. (170cc) LD	220317	CP 8 oz. (230cc) LD	220327
6 oz. (170cc) HD	220318	CP 8 oz. (230cc) HD	220328
8 oz. (230cc) LD	220319	CP 12 oz. (340cc) LD	220329
8 oz. (230cc) HD	220320	CWP 1 oz. (30cc) LD	232375
12 oz. (340cc) LD	220321	CWP 2.5 oz. (65cc) LD	220331
12 oz. (340cc) HD	220322	CWP 2.5 oz. (65cc) HD	220332
20 oz. (610cc) HD	229734	CWP 6 oz. (170cc) LD	220333
32 oz. (950cc) LD	232921	CWP 6 oz. (170cc) HD	220334
32 oz. (950cc) HD	232917	CWP 8 oz. (230cc) LD	220335
32 oz. (950cc) SHD White	233656	CWP 8 oz. (230cc) HD	220336
1/10 gallon, (310cc) LD	230285	CWP 12 oz. (340cc) LD	220337
1/10 gallon, (310cc) HD	229689	CWP 12 oz. (340cc) HD	220338
		CWP 20 oz. (610cc) HD	230231

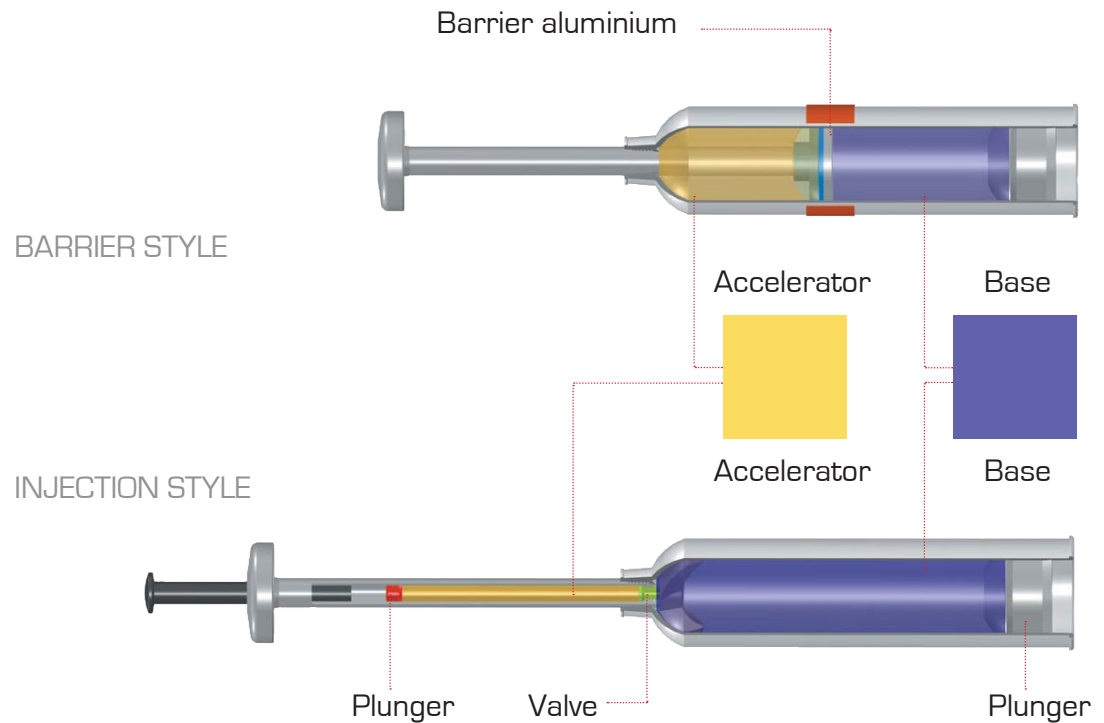
DESCRIPTION	SIZE	PART NUMBER
Plungers WP BD	1 oz. (30cc)	2323642
Plungers P BD	from 2.5 to 12 oz. (65cc/340cc)	2202522
Plungers WP BD	from 2.5 to 12 oz. (65cc/340cc)	2344122
Plungers WP HD	from 2.5 to 12 (65cc/340cc)	2202592
Plungers PRS BD	from 2.5 to 12 (65cc/340cc)	2202602
Plungers SWP	from 2.5/12 (65cc/340cc)	2297562
Plungers WP BD	20/32 oz.	2292212
Plungers WP HD	20/32 oz.	2323742
Plungers PWP with Purge screw		2202712

TO ORDER, PLEASE CALL +33 (0)1 39 62 40 92

# SEMKIT

DESCRIPTION	cc	fl.oz
676	32	1.0
653	59	2.5
651	156	6.0
668	214	8.0
691	310	10.5
688	590	20.0

DESCRIPTION	cc	fl.oz
678	32	1.0
655	59	2.5
654	156	6.0
669	214	8.0
690	310	10.5
689	590	20.0



## PRESENTATION

The Semkit® package is a complete, multi-component plastic cartridge assembly which stores, mixes, and applies multiple component adhesives, sealants, encapsulants, and other materials. It has been market tested for over 30 years and still represents the best blend of performance and safety available in the market today. Semkit® packages are ideal for epoxies, polysulfides, polyurethanes, and silicones used in the aerospace, electronics, automotive, construction, marine, and telecommunications industries.

The kit assures material performance, optimum quality, and increased productivity on the production line and in the field.

The Semkit® package assures accurate proportioning of the materials since the pre-measured components are stored in separate compartments within the cartridge. It eliminates the labour-intensive tasks of measuring and handling materials while minimizing skin contact and material fumes. All the material contained inside the two-component Semkit® package is mixed within the cartridge and can be extruded with virtually nothing remaining.

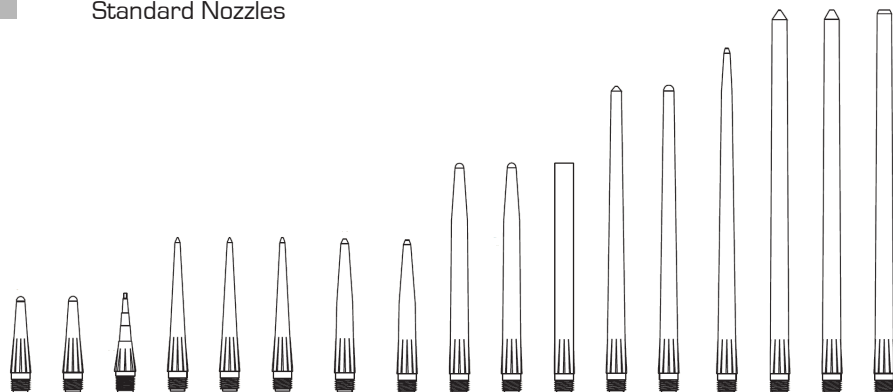
This configuration provides added value by eliminating material exposure and contamination, dramatically reducing waste, and ensuring the correct ratio of each material is used in every application.

There are two styles of Semkit® packages :

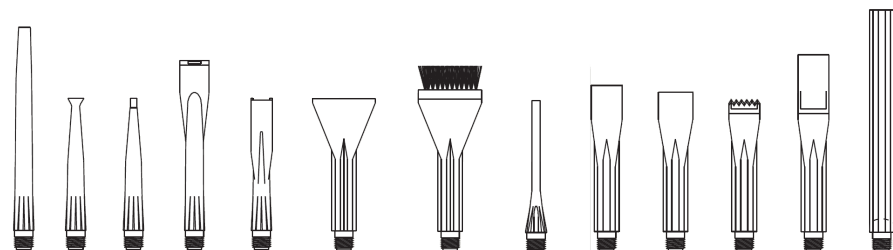
- Injection kits are typically used with mix ratios of 10:1 or higher. In this kit, the base material is contained in the cartridge, while the catalyst is stored inside the injection rod
- Barrier style kits are typically used with mix ratios of 1:1 to 10:1. Both materials are contained in the cartridge and are separated by a foil barrier

# NOZZLES

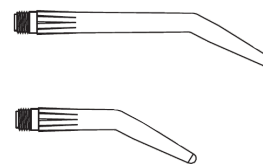
## Standard Nozzles



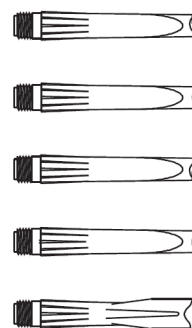
## Ribbon Nozzles



## Bend Nozzles



## Fillet Nozzles



P/N	SIZE (cm)	ORIFICE (cm)	DENSITY
2205382	2.5	0.063	Low
2205402	2.5	0.125	Low
2286222	2.5	0.125	High
2205422	4	0.031	Low
2276132	4	No	Low
2205442	4	0.063	Low
2286232	4	0.063	High
2205482	4	0.094	Low
2205502	4	0.125	Low
2222782	4	0.125	High
2205532	6	0.063	Low
2205552	6	0.125	Low
2244942	6	0.375	Low
2205572	8	0.063	Low
2205592	8	0.125	Low
2205610	10	0.063	Low

\* More usual part number

## PRESENTATION

These disposable nozzles are precision molded and have a 1/4» (6mm) NPT male thread to fit Semco® 1, 2.5, 6, 8, 12, 20, 32 oz, and 1/10th gallon disposable cartridges. A wide range of lengths and orifice sizes are available to better meet your application needs. Nozzles can be bent to varying degrees, however minimum order, lead time, and pricing considerations apply.

### Standard nozzles

These standard nozzles are available in different sizes and diameters port. and can be bent at different angles under control minimum requirement, delivery time and price list.

### Ribbon nozzles

A wide range of ribbon nozzles is offered in various thicknesses and widths to better meet your needs.

### Bend nozzles

With these bend nozzles, you can choose your elbow curve and length from the tip

### Fillet nozzles

Semco fillet nozzle applied uniformly applied on lap joints. They avoid handling the product with spatulas and increase productivity. Some have a notch to allow the work in difficult corners and confined spaces.

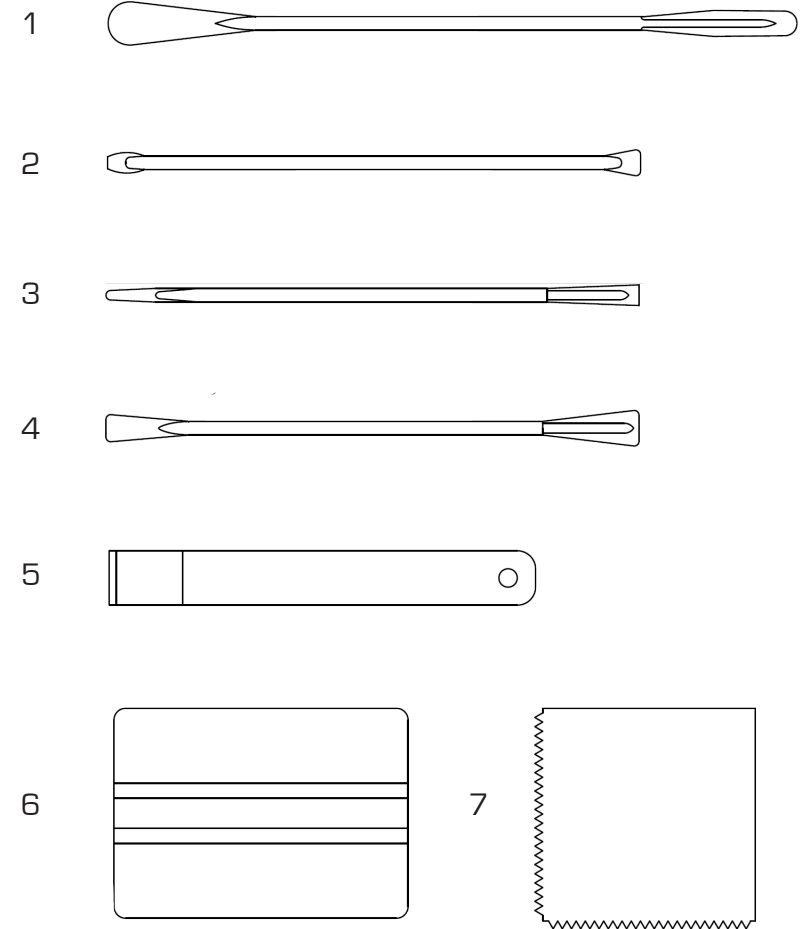
See more on : [www.polydispensing.com](http://www.polydispensing.com)

## SEALANT SMOOTHING TOOLS AND ADAPTATERS



These special reinforced plastic spatulas and spreaders are for tooling and smoothing sealants and adhesives.

N°	DESCRIPTION	LENGTH [mm]	WIDTH [mm]	PART NUMBER
1	Spatula	240	14	231349
2	Spatula	184	5	226241
3	Spatula	184	3	226242
4	Spatula	184	10	226243
5	Scraper	147	19	234352
6	Spatula spreader	100	70	229394
7	Comb spreader	75	75	229395
8	Spatulas Kit [2,3,4]	NA	NA	226244



### PRESENTATION

DESCRIPTION	PART NUMBER
Cartridge Adapters	2318712

These disposable adapters are precision molded and have a 1/4" [6mm] NPT male thread to fit Semco® 1, 2.5, 6, 8, 12, 20, 32 oz., and 1/10 th gallon disposable cartridges. The syringe filler adapter is designed to allow easy filling of Luer Lock or Luer Slip syringes. The Sem-Luer Adapter converts the 1/4" [6mm] NPT female thread of the standard Semco® cartridge to a male Luer Lock connection, allowing the easy attachment of any Luer Lock needle.



## DISPENSING GUN

### A GUN



This sealant gun is the standard of the aerospace and electronics industries. It is designed for the quiet, pneumatic application of sealants, adhesives, potting compounds, and other materials.

The Semco® model 250-A gun is available with retainers to fit standard 1, 2.5, 6, 8, and 12 ounce disposable cartridges. Air hoses to operate the gun must be ordered separately (see page 15 for more information). Also the handle can be easily removed to allow better manipulation.

- Operating ranges from 0 to 6.9 bar (0-100 psi)
- Available sizes : 1 - 2.5 to 6 - 8 and 12 oz
- Reduces the cost of application, maximizes accuracy
- Efficient regulation for a smooth and uniform extrusion
- Silent, durable and ergonomic

### SEALANT GUN (20 - 32 oz)



The Semco® Model 550 sealant gun is designed for the pneumatic application of sealant, caulking, adhesive, and other compounds packaged in Semco® 1/10th gallon, 20, and 32 oz. cartridges. Parts are available to convert the gun from one size to another. Air hoses to operate the gun must be ordered separately (see page 15 for more information).

These lightweight guns are constructed of cast aluminum and other durable materials.

- Operating ranges from 0 to 6.9 bar (0-100 psi)
- Available Sizes: 20 - 32 oz and 1/10 gallon
- The pressure on the trigger controls the flow
- Efficient regulation for a smooth and uniform extrusion
- Lightweight and ergonomic

### MANUAL DISPENSING GUN



The Semco® model 850 gun is a hand-operated, high quality dispensing gun designed to accept Semco® disposable cartridges or Semkit® packages. The ratchet handle is made of metal for tough, durable, long-term use. A threaded retainer provides a tight fit into the ratchet handle, permitting uninterrupted operation. Custom size retainers accommodate Semco® 1, 2.5, 6, 8, 12, 20, 32 oz., and 1/10 gallon disposable cartridges. The retainers are available in metal or plastic.

- Sizes: 1 - 2.5 to 6 - 08/12/20 - 32 oz and 1/10 gallon
- Solid construction
- Distributes a wide range of products
- Accepts thick and viscous products
- Air source or electrical power unnecessary

### HIGH PRESSURE INJECTION GUN



The high pressure injection gun is capable of post assembly injection of high viscosity groove injection sealing compounds into confined areas and voids, including channel sealing.

The gun is available in a manual or reciprocating version. The reciprocating gun provides a continuous bead of material when actuated. The pressure produced is 110 X line pressure used and the maximum pressure rating is 11,000 psi (759 bar).

- Original size : 6oz
- Sizes available option : 8 - 2 oz
- Size of the piston rod : 8mm diameter
- Ideal for hard to reach areas
- High performance gun

## SEMKIT PACKAGE MIXER



Automatic Semkit Mixer

The Semco® model 388 Semkit® package mixer provides complete automatic mixing of filled Semkit® packages. Use of the mixer reduces worker tiredness and assures the user a more thorough and consistent mix, kit to kit.

### FEATURES

Automatic mixing of Semkit® packages

Assures consistent, thorough and uniform mixing

Easy to operate

Timer automatically shuts mixer off at pre-set mix time

Eliminates mixing labour and worker tiredness

Operates on 40 - 90 PSI, 1.2 CFM and 115 VAC. (Transformer included)

Shipping weight 35 kg



Semi - Automatic Mixer

The Semco® model 285-A Semkit® package mixer provides semi-automatic mixing of filled Semkit® packages. Use of the mixer reduces worker fatigue and assures a more consistent, uniform mix. The drive spindle rotates the mixing rod while the operator strokes the cartridge vertically. This permits the rotating dasher to thoroughly mix the materials. The bell timer alerts the operator when the mix cycle is completed.

### FEATURES

Semi-Automatic mixing of Semkit® packages

Easy to operate

Provides consistent, uniform mixing

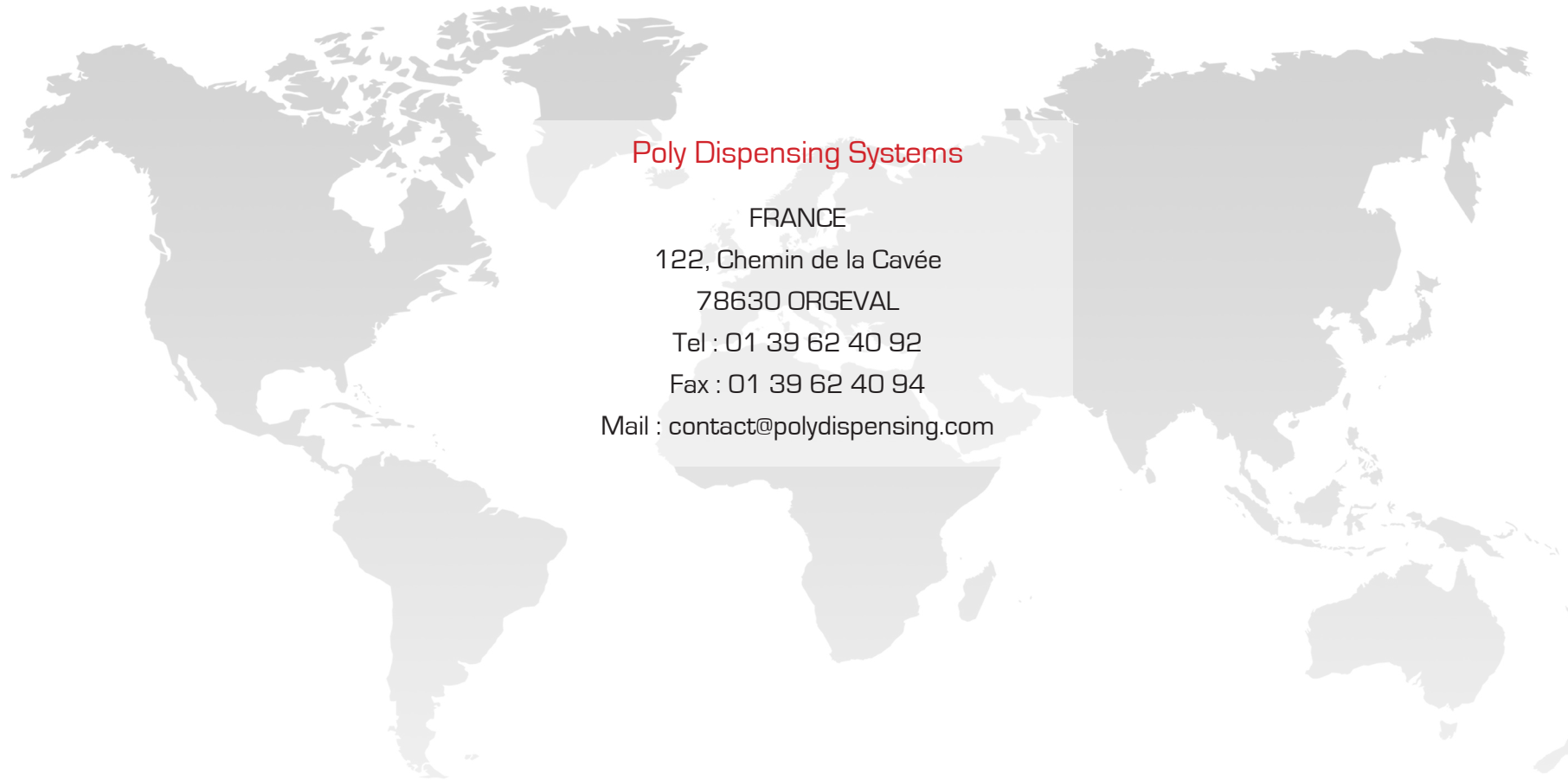
Reduces time and effort for thorough mixing

Portable

Bell timer signals completion of mix

Shipping weight 7 kg





## Poly Dispensing Systems

FRANCE

122, Chemin de la Cavée

78630 ORGEVAL

Tel : 01 39 62 40 92

Fax : 01 39 62 40 94

Mail : [contact@polydispensing.com](mailto:contact@polydispensing.com)

The fluid dispensing being the cornerstone of numerous production chains, PDS emphasis on this specific need by proposing a wide range of innovative and efficient dispensing equipments.

French leader on this area, it specialty is to design and implement solutions to put down and dispense every type of fluid in an accurate and repeatable way during the process of assembly. Thanks to it vast field of activity and application, no doubt that PDS will know how to resolve your most complex problems of deposit and brings you the suited recommendations to optimize your production's capacities.

Persuaded that our expertise must be complete, we also supply you tools in order to prepare your fluid (mixture and degassing) and polymerize your glues (UV sunstroke). Our range of consumables (needles, syringes, static mixers etc are also considered as the best in the market.

So we provide you every type of dispensing equipments to allow you to use efficiently your fluids regardless of the viscosity : glues, greases, lubricants, pastes, solvents, silicones, inks, activators, RTV, paints.

Present in more than 20 countries in the world, performance, quality, service and technology are at the center of all our concerns.

**POLY DISPENSING SYSTEMS**

SYSTEMES DE DOSAGE INDUSTRIEL