

**PSG MINI PMP
PILOT PLANT-LABORATORY
TECHNOLOGY**

Up to 8 Pouches Per Minute System

PSG Mini-PMP

Recirculating Chiller

Oden Multi-Viscosity Retort Recipe Filler

PSG LEE SY-1P-BL-25 scale & bucket elevator

PSG Pouch Burst Tester

PSG SUNG Table Top Tray Sealer

Olson Fitment Inserter

Fitment Samples

Fitment # 1 HQ Dia. 16 mm	Fitment # 2 HQ Dia. 9 mm	Fitment # 3 Triangle Cap Dia. 9 mm	Fitment # 4 IPN Dia. 22 mm
Fitment # 5 HQ (Carbo) Dia. 32 mm	Fitment # 6 LS Tear Strip	Fitment # 7 PPITG PeelSip™	Fitment # 8 Menshen Dia. 9 mm
Fitment # 9 LD Dia. 9 mm			

IPN HSM5

PPi Technologies GROUP laboratory

PPi Technologies GROUP has a laboratory set up for confidential packaging operations. The laboratory is equipped to handle dry and wet products, and pilot tests.



In-house 3-D Design Printer and Sample Output



- In-house testing
- Sample making
- Taste testing
- 3D Design Printer
- Shelf life testing
- Microbiological sampling
- Training



Brief Description of the PMP Mini

- Machine Model** : **PSG Mini PMP** semi-automatic fill-seal machine for premade three-side seal and StandUp pouches. Machine includes top sealing cooling bars and re-circulating chiller unit.
- Product** : To be determined
- Pouch Capacity** : Based on product, pouch type, and operator
- Packaging Material** : Premade pouches [Heat sealable lamination]
- Pouch Sizes** : Any pouch size within the range below:
Not to exceed 15" / 450 mm wide
Not to exceed 20" / 500 mm long
- Pouch Styles** : All types of StandUp or three-side seal premade pouches within above limits

MACHINE DETAILS:

- Operation** :
- First Station** - Pouch manually held in place and then opened by air jet. Activated by a single foot pedal. Pouch is then filled with product. Pouch manually moved to second station.
 - Second Station** - Pouch sealing activated by a foot pedal, Vacuum pulled (if required) then sealed. Pouch manually moved to third station.
 - Third Station** - Cool top seal, activated by a foot pedal.



(Pictured with optional liquid pump)

Construction	: All contact parts are made of Stainless Steel. Controls are enclosed in a sealed cabinet. Machine requires minimum maintenance.
Electrical Supply	: To be specified, normally 110 V, single phase
Compressed Air	: 90 PSi / 5 to 7 bars
Production rate	: Between 3 – 8 pouches per minute depending on product to be packaged, filling capacity, quality of packaging material, operator skills and ambient conditions
Machine Dimensions	: 1,350 mm (l) x 775 mm (w) x 1,650 mm (h); (Without Filler) 53'' (l) x 30.5'' (w) x 65'' (h)
Machine Weight	: 250 kg / 550 pounds

TECHNICAL FEATURES:

Station #1:

- Pouch opening device operates using air, activated by foot pedal.
- Pouch is then filled by hand with pre-weighed product. (A separate weigher can also be supplied), depending on the product type.
- The pouch can also be filled with liquids (A separate liquid filler can also be supplied)

Station #2:

- Heat sealing of pouch, activated by foot pedal.
- Vacuum can be pulled on pouch, if necessary. (Gas flushing is standard)

Station #3:

- Cool sealing of pouch using re-circulating water chiller, activated by foot pedal.

