

# SMART-4

## Spiroflow Melter Automatic Refilling Technology



Introducing the new SMART-4 (Spiroflow Melter Automatic Refilling Technology) from Spiroflow Systems, developed specifically to handle small format hot-melt adhesives. The portable SMART-4 system automatically delivers adhesive on demand to up to four hot melt tanks.

### HOW IT WORKS

1. The Mobile Hopper feeds adhesive via vacuum lances to automatically refill hot melt tanks up to 20m (60 ft) away.
2. A level probe continually senses the adhesive level in each melt tank
3. The control system receives a low-level signal from each melt tank when it requires adhesive
4. A predetermined amount of adhesive is quickly conveyed via venturi transfer lines to maintain optimal levels and temperatures of adhesive in each melt tank
5. An audible and visible alarm quickly alerts the operator of low adhesive level in the SMART-4 unit when it needs to be refilled

### BENEFITS

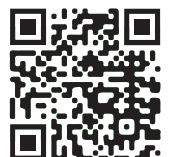
- **Significant Reduction in Manual Handling** - Refill 1 conveniently located SMART-4 unit just a few times per shift when you receive the low-adhesive automatic alert (vs. manually monitoring and refilling up to 4 individual melt tanks).
- **Free Up Valuable Operator Time** - No more manual monitoring and refilling of tanks means operators can refocus their time and attention on high-value activities.
- **Achieve Optimal Adhesive Levels & Temperatures** - Maintain optimal adhesive levels and temperatures in each tank, preventing charred (overheated) and poor performing (underheated) adhesive.
- **Reduce Contamination & Safety Risks** - No more continual opening and closing of individual hot melt tanks lowers the risk of contamination and decreases risk of operator exposure to potential safety hazards.
- **Prevent Empty Melters & Downtime** - Eliminate expensive downtime and possible lost production due to irregular feeding of melters or missed feeding cycles via automatic tank refilling and proactive system low-level notifications.



Reduced Cost | Increased Quality | Improved Safety



Learn More about  
Spiroflow's SMART-4 System



# SMART-4

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TEMPERATURE	-10°C to +50°C (14°F to 122°F)
AIR SUPPLY	Pressure: 5bar minimum Volume: 26.5cfm (0.75m <sup>3</sup> /min) Clean (filtered) and dry (no lubricant/oil)
ELECTRICITY SUPPLY (COMPLETE SYSTEM)	3 phase no neutral Voltage: 380-415v/50Hz or 440-480v/60Hz Power: 1.5kw / Amps: 3amp Standard plug type: 4pin/16amp
CONTROLS SYSTEMS	One control panel for the whole system (mounted on the dispenser)
ADHESIVE TRANSFER MAXIMUM RATE	180 kg/hour (400 lbs)
MAXIMUM FEEDING DISTANCE	Up to 20m (60 feet)
DIMENSIONS	Height = 1000 mm (39.4 in) when closed / 1500 mm (59 in) opened Width = 560 mm (22 in) / Depth = 808 mm (32in)
DISPENSER WEIGHT	100 kg / (220 lb) (without product)
HOPPER CAPACITY	140 L = 54 kg of adhesive



To talk with our sales team about Spiroflow's SMART-4 Adhesive Systems or any of our other bulk material handling solutions, please contact Spiroflow at [spiroflow.com](http://spiroflow.com).

## NEED TO SUPPLY MORE THAN 4 MELT TANKS?



Spiroflow also offers **SMART-Bulk** systems capable of feeding adhesive to more than eight melters at distances of over 60m (200 ft), directly from a single bulk bag discharger.