



PROTEXX

HOT MELT SYSTEMS



**The Ultimate
In High-Volume Production
And Flexibility.**



**Hot Melt
Technologies, Inc.**
No One Puts It Together Like HMT.

ProFlex® Systems: Modular To Meet Your Needs Today...

Reconfigurable To Meet Your Needs Tomorrow.

With ProFlex® Systems, Hot Melt Technologies (HMT®) defined the modular design concept with reconfigurable and interchangeable components that deliver maximum performance, flexibility, serviceability and value to high-volume hot melt operations.

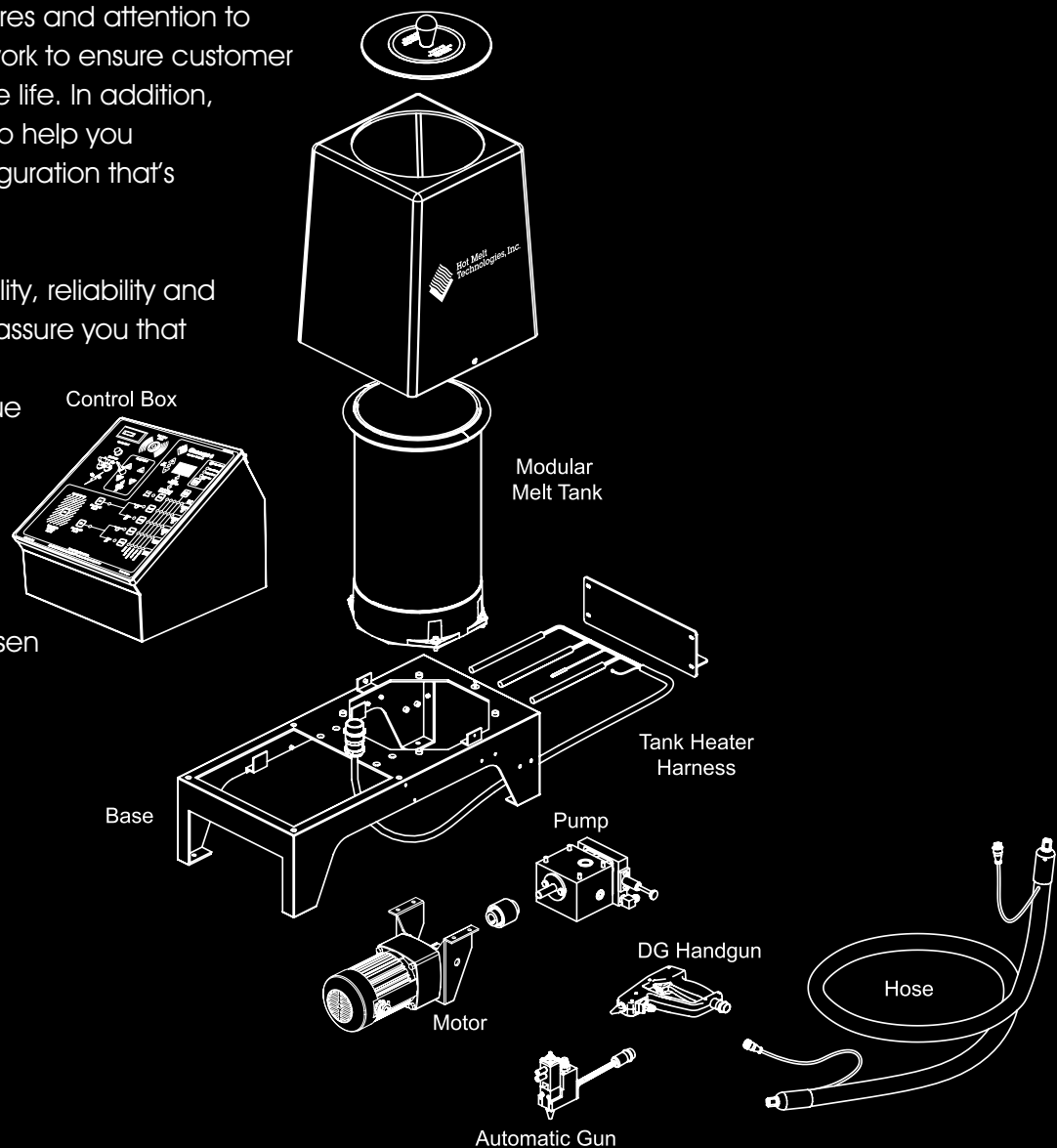
By specifying the tank size, pump capacity, motor type and other components, you start with the optimum system for your application.

Should a component require service, our easy-to-install, interchangeable parts help keep your production line moving. And later on, our modular concept means you can readily reconfigure your system to meet changing needs.

Of course, there are more reasons why ProFlex Systems are the hot melt applicators of choice for many of America's leading companies. Like rugged construction that's been proven in countless high-abuse shop-floor operations. Plus quality control procedures and attention to manufacturing detail that work to ensure customer satisfaction and long service life. In addition, we offer technical support to help you determine the ProFlex configuration that's best for your application.

The bottom line? The durability, reliability and flexibility of ProFlex Systems assure you that the equipment investment you make today will continue working for you long into the future.

In selecting a ProFlex System, you also go with the confidence you've chosen an industry leader: HMT.



ProFlex Systems:

Specify The System That Meets Your Exact Needs.

Interchangeable Genesys™ System Control Modules

Genesys System Controls are simple, secure and smart. Programming is intuitive behind the tamper-proof, lockable front panel. Each control module has redundant fail-safe features along with easy-to-understand front panel diagnostics. Utilizing 100ohm Platinum RTD Sensors, accuracy of $\pm 1^\circ\text{F}$ between 100°F and 475°F is assured.

And all Genesys Control Modules can be used interchangeably with handguns or automatic guns, bead or spray applications. And for easy serviceability, each control package features a plug-in solid state relays for all control zones.

- Genesys G5, 5 Zone 220v
- Genesys G6, 5 Zone 220v
- Genesys G9, 9 Zone 220v

Interchangeable Tank Heaters

Tank heaters can be selected to meet melt-on-demand requirements. This flexibility coupled with proportioning RTD temp control and superior melt tank insulation, assures minimum energy consumption while meeting melt and usage rate requirements.



Welded Steel Platform

Platforms feature 10-gauge, cold-rolled steel construction.

Interchangeable Melt Tanks

Patented modular melt tanks provide on-demand melting without charring:

- 25 lbs. (approx. 3.5 gallons)
- 35 lbs. (approx. 5 gallons)
- 50 lbs. (approx. 7 gallons)
- 85 lbs. (approx. 12 gallons)
- 135 lbs. (approx. 20 gallons)
- 200 lbs. (approx. 28 gallons)

Interchangeable Drive Motors

Constant or variable speed pump drive motors are designed for intermittent or continuous duty and provide pump rates up to 150 lbs./hour:

Interchangeable Steel Gear Pumps

Positive-displacement steel gear pumps feature wear-resistant bearings as well as adjustable flow controls plus drain valves and filter ports:

- PA-30 for standard hot melts
- PA-40 for high-performance hot melts
- PA-50 for butyls and sealants



Automatic Guns

HMT 600 Series Automatic Guns are designed for high-volume, heavy-duty product assembly applications with either bead or spray nozzles:

- Fixed-point dispensing
- Wide web applications
- Robot operations

HMT 800 and 900 Series Automatic Guns are designed for packaging and converting applications:

- Bag making
- Carton and case sealing
- Taper conversions
- Tray making



Heated Hoses

Interchangeable with HMT handguns or automatic guns, Heated Hoses are built to withstand the abuse common in the roughest industrial hot melt applications. Offering maximum durability and service life, they feature:

- Lengths up to 30 ft.
- Core diameters of 3/8 in., 1/2 in., or 5/8 in.
- Replaceable RTD sensor
- Super-Tuff, X-treme nylon sleeving

HMT: Pro-Fill System Keeps Your Tank Filled Automatically



Handguns

Ergonomically designed to reduce operator fatigue and weighing less than 1 1/2 lbs., HMT Handguns feature:

- Linear Swivels or 360-PLUS® Ball Swivels
- Standard hose entry, top-entry or in-line entry
- Interchangeable nozzles for bead or spray applications
- Corded or Cordless



Nozzles

Interchangeable handgun and automatic gun nozzles are available for every application... bead, spray, swirl spray, I.G. gunning tips, extended nozzles, slot nozzles, taper nozzles, single or multi-bead nozzles, reduced cavity nozzles, and many more.



A Custom-Built ProFlex System... A Choice You Can Make With Confidence.

ProFlex Systems are being specified today by many of America's leading companies. And for good reason...

Exact Performance - ProFlex Systems are custom-built from a selection of heavy-duty, modular and interchangeable components to fit precise application and process requirements. This means you start with the exact system you want - with the assurance that you can easily replace components to minimize downtime or readily reconfigure your system to meet future needs. Plus with ProFlex, you get uncompromised durability and reliability proven year after year on countless shop floors worldwide.

Easy-To-Use - Genesys™ System Controls are an integral part of every ProFlex System. Temperature and feature settings are secured behind a tamper-resistant, lockable front panel. All ProFlex Systems provide $\pm 1^\circ$ F temperature control accuracy, redundant fail safe features, and front panel system diagnostics. And, they can even shut themselves off if you forget!



Flexible & Capable - With up to 4 gun and 4 hose capability, ProFlex Systems can be used with handguns and automatic guns interchangeably and with bead or spray nozzles. Systems can handle fluid viscosities of up to 1,000,000 cps and temperatures up to 475° with flow rates as high as 150lbs. per hour.

Serviceable - To maintain shop-floor productivity and front office satisfaction, the ProFlex modular design concept means quick and easy serviceability with fewer spare parts, less repair time, and less cost. Plus all ProFlex Systems are backed by comprehensive warranties and industry-leading after-the-sale service programs.

Let The Experts At HMT Custom-Build A Proflex For You.

With over 25 years of hot melt experience including countless product assembly, packaging and converting applications in almost every industry, HMT understands hot melt.

We also understand the importance of a satisfied customer. As such, we've taken a leadership role in providing technical expertise and assistance to customers in order to recommend hot melt equipment that best meets the needs of the customer's specific application. In our Process Evaluation Lab, we can simulate your application to measure output, usage, and melt-rate requirements. Our goal ... to help your company achieve peak productivity.

Let the experts at HMT help you custom-build a ProFlex System to meet the needs of your specific application ... and you'll understand why ProFlex is a choice you can make with confidence.



SPECIFICATIONS

System Type

- High Performance
- Industrial
- Heavy Duty
- Modular

Maximum Hoses and Guns

- 4 Hoses and 4 Guns

Tank Type

- Extruded Aluminum
- Melt-On-Demand
- Modular / Interchangeable
- Release Coated

Melt Tank Capacities (lbs.)

- 25 lbs., 35 lbs., 50 lbs., 85 lbs.
- 135 lbs., 200 lbs.
- Special Tanks

Tank Heaters

- Interchangeable Cartridge Type
- Serviceable

Melt Rate*

- Up to 90 lbs. / hour

Motor Type

- Fractional HP
- Constant Speed
- Variable Speed

Pumps

- Steel Spur Gear
- Positive Displacement

Pump Rate*

- Up to 150 lbs. / hour

Viscosity Limits*

- Up to 1,000,000 cps

Electrical Service

- 220v, 1ph, up to 40amp

STANDARD CONTROL FEATURES

Temperature Readout

- Front Panel Display
- Run Temp
- Push-to-See Set Point
- Readout in F° or C°

Run Temperature Range

- 100° F - 475° F, ±1° F

High Limit of Set Point

- Front Panel Display
- Adjustable, 250° F - 475° F

Hose / Gun Controls

- Front Panel On/Off Switches
- Up to 4 Hoses and 4 Guns

Pump / Motor Controls

- Front Panel On/Off Switches
- Up to 2 Pump/Motor Assemblies

Zone Diagnostics

- Front Panel Display
- Ready, Sensor Fault, Low Temp, Over Temp

Over Temp Protection

- Front Panel Audible Alarm
- Redundant Fail-Safe Relays
- Independent Zone Shut-Off

Manual Standby

- Adjustable, 20% - 70% of Set Point

Safety Timers

- Front Panel Display
- Auto-Standby, 0 – 5 hours
- Auto-Off, 0 – 5 hours

Pump Ready / Lock-Out

- Tank Temp Ready or
- All Zone Ready
- Ready Delay Timer with Front Panel Display

* Rates will vary depending on adhesive type and viscosity as well as system configuration.

DFS® SERVICE FEATURES

In-Service Clock

- Front Panel Hour Meter

Controls

- Plug-In Solid State Control Relays

Adhesive Supply Units (ASU)

- DFS Melt Tanks
- DFS Pumps
- DFS Motors
- DFS Tank Heaters and RTD's

DFS (Designed for Serviceability) components can be easily removed and replaced without disassembly of any other ASU components.

STANDARD ATTACHMENTS

Heated Hoses

- Lengths up to 30 ft.
- Core Diameters #6, #8, or #10

Handguns

- Standard Hose Entry
- Top Hose Entry
- In-Line Hose Entry

Automatic Guns

- Single or Multi-Valve

Gun Nozzles

- Single or Multi-Bead
- Ribbon or Slot
- Spray Swirl

ACCESSORIES

Hose Support and Overhead Balancer Systems

Steel Carts with Castors

24-hour / 7-day Scheduler

Single Shot Timers

Multi-Function Pattern Control Timers

Rely On HMT For All Your Hot Melt Application Needs.

Since 1981, Hot Melt Technologies has focused on making the best hot melt equipment available and sharing our application expertise with companies just like yours. At HMT, we know the importance of the products you manufacture. Our equipment - and your satisfaction with it are equally important to us. Everything we provide - from melt tanks to hoses, to guns and nozzles, to spare parts and accessories - is manufactured to the highest engineering, technical, and quality standards. From basic out-of-the-box applicators to specially designed systems, you can rely on HMT to remain committed to you and your continued satisfaction.

So, if you're seeking expertise, value, convenience and satisfaction, remember ...

No One Puts It Together Like HMT®



Hot Melt Technologies, Inc.

No One Puts It Together Like HMT.

1723 W. Hamlin Road • Rochester Hills, Michigan 48309

Phone: 248-853-2011 | Fax: 248-853-6650 | Email: info@hotmelt-tech.com

ISO 9001 – INTERNATIONAL QUALITY ASSURANCE STANDARD

©2016 Hot Melt Technologies, Inc. 7/16