

Hot Melt

EQUIPMENT • ADHESIVES • EXPERTISE



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

An Industry Leader In Handgun And Automatic Gun Hot Melt Applications.



Hot Melt Technologies:

A Choice You Can Make With Confidence.

Hot Melts: The Smart Choice For Today's Manufacturers and Packagers.

For more than 30 years, those involved in product assembly and packaging have been turning to hot melt adhesives and sealants to replace water- and solvent-based glues as well as mechanical fasteners. After all, hot melts are effective in bonding a variety of substrates. In addition, they are environmentally safe, fast setting ... and often offer substantial savings over those other joining methods. What's more, by relying on an experienced resource like Hot Melt Technologies (HMT®), it's easy to get started and stay productive with hot melts. In fact, HMT has helped thousands of companies benefit from this technology, and we can do the same for you.

Why HMT? We Offer Everything You Need To Succeed In Hot Melt... From One Convenient Source.

Today, companies across America look at Hot Melt Technologies (HMT) as their "go-to" source for complete solutions in all matters regarding hot melt adhesives and sealants. And for good reason ...

HMT started in 1981 as a hot melt equipment supplier to the automotive and related product assembly industries. Responding to their need for products that could withstand the rigors of high-volume operations, we designed our ProFlex® and Benchmark® Systems. These adhesive supply units defined the "modular" concept with interchangeable and reconfigurable components – and continue to set the standard for reliability, ease of service and value. Of course, it wasn't long before we were applying our expertise to an ever-wider range of handgun and automatic gun applications.

Along the way, we expanded our product line to include innovative guns, hoses, accessories and adhesives. We also established industry leading after-sale support programs designed to maintain shop-floor productivity ... and increase front office satisfaction.

So whether you're looking to gain greater efficiency through a sophisticated new handgun or automatic gun hot melt operation, or simply seeking to move up from a stapler or stick gun, we invite you to read this brochure. You'll discover that when it comes to production expertise, value, convenience and satisfaction ...

No One Puts It Together Like HMT.



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From A Hot Melt Leader... Expertise In Handgun Hot Melt Applications.

Economical, efficient, and easy to apply, hot melt adhesives are gaining new adherents among all types of manufacturers and packagers – thanks in large part to the handgun application expertise provided by Hot Melt Technologies.

For over 25 years, our applicators, hoses, handguns, accessories and adhesives have been the products of choice for countless users.

So if you're interested in starting – or upgrading – a handgun hot melt operation, know that there's no better resource to rely on than HMT.

The six elements that comprise a handgun hot melt application system:

The Hot Melt

From EVAs to PUR's and from polyamides to APAOs, there is probably a hot melt adhesive or sealant for just about every bonding requirement. The type of hot melt, how much you use, and how you apply it (bead or spray) will dictate the size and style of the equipment necessary.

Adhesive Supply Unit (ASU)

HMT manufactures a wide variety of Benchmark® and ProFlex® Adhesive Supply Units to meet your usage and pump rate requirements based on your application and choice of hot melt.

Heated Hoses

Offered in lengths from 8 to 24 feet, HMT Heated Hoses deliver the hot melt to the point of application at precise temperatures.

Handguns

HMT Handguns have set the industry standard in durability and ease of use. They can be configured for standard hose entry, top hose entry, or in-line hose entry. Connected to the hose with our exclusive 360-Plus® Ball Swivel, there is no better handgun for providing operator comfort and safety.

Nozzles

Interchangeable bead or spray nozzles at the end of the gun let you apply the hot melt adhesive or sealant in a manner best suited for your job.

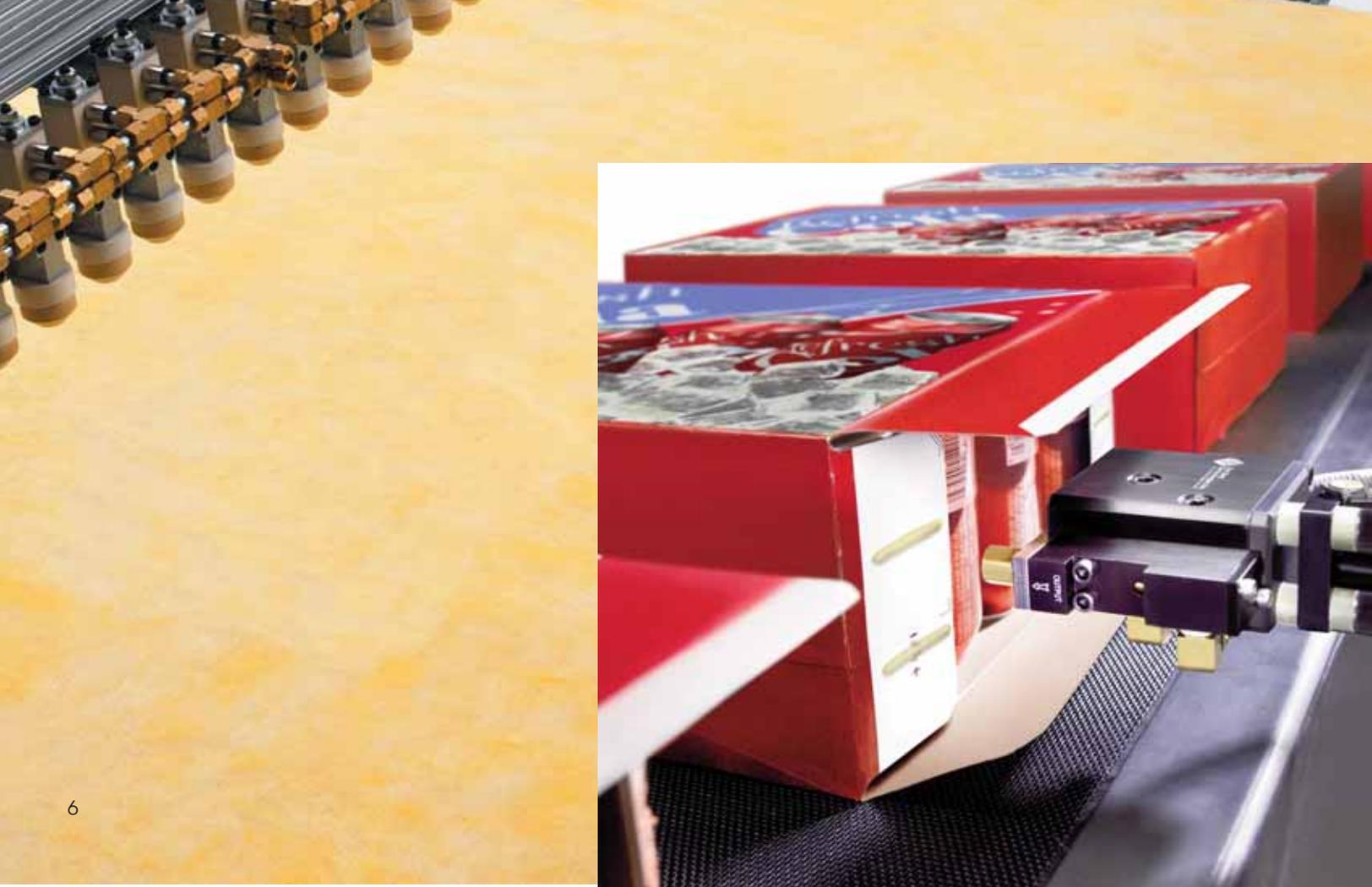
Accessories

HMT Hose Support and Overhead Balancer Systems, Steel Carts with Castors, 24-hour / 7-day On/Off Schedulers, Single Shot Timers and Multi-Function Pattern Control Timers help improve productivity, increase safety and assure long service life.



Industries now benefiting from HMT's handgun hot melt expertise include:

- Air Conditioning
- Appliance
- Automotive
- Bedding
- Bookbinding
- Construction
- Electronics
- Filters
- Foundry
- Furniture
- Heating
- Metalworking
- Packaging
- Printing
- Woodworking
- And, many more ...



From A Hot Melt Leader... Expertise In Automatic Gun Hot Melt Applications.

Hot Melt Technologies' experience with automatic guns in the automotive and packaging industries is today benefiting a wide range of companies.

In fact, our expertise in delivering adhesives and other thermoplastic materials at high volumes in precise amounts with the utmost reliability has made us an industry leader in automatic gun hot melt applications.

And, having satisfied a wide range of customers, chances are excellent we've already seen – and solved – a challenge like yours.

Key considerations in automatic gun hot melt applications:

Application

Automatic gun hot melt applications are common for single-point dispensing; conveyorized pattern applications; multiple-bead or spray-pattern coverage over wide web areas; or applications using high-speed, multi-axis robots.

Type Of Hot Melt

The type of hot melt, how much you use on each part you produce, and how you apply it (bead or spray) will dictate the size and style of the equipment necessary.

Adhesive Supply Unit (ASU)

Our Benchmark® and ProFlex® Adhesive Supply Units can be configured to meet your usage and pump rate requirements based on your intended application and your choice of hot melt.

Heated Hoses

Offered in lengths from 4 to 24 feet, HMT Heated Hoses deliver the hot melt to the point of application at precise temperatures.

Automatic Guns And Nozzles

HMT Automatic Guns can be configured for single or multi-valve dispensing with synchronous or independent on/off control. A selection of standard nozzles include small orifice single and multi-line nozzles used primarily in packaging, as well as large volume bead and spray nozzles necessary for high-viscosity, high-performance hot melts.

Gun On/Off Control

HMT Automatic Guns are pneumatically controlled with air-to-open/air-to-close valves to assure precise hot melt deposition and control at both high and low speeds. Timed shots with auxiliary pattern controls can also be provided based on the application.



HMT's automatic gun hot melt experience includes these applications:

- Automotive
- Bookbinding
- Carpets
- Carton sealing
- Case sealing
- Coatings
- Door panels
- Filters
- Heat shields
- Insulation
- Mattresses
- Non-wovens
- Packaging
- Palletizing
- Sound deadeners
- Trays
- Waterproof sealers
- Woodworking
- And, more ...

Three Series To Choose From...

One Standard For Quality, Durability, And Value.

Benchmark® 200 Series

For use with low viscosity and standard hot melt adhesives in low to medium volume handgun applications for packaging and general product assembly. The 205 has an 8-lb melt tank...the 215 has a 15-lb melt tank.



Benchmark 205



Benchmark 215

Benchmark® HP Series

For use with high-performance hot melt adhesives and sealants in medium-volume applications. Preconfigured with all the features and benefits you need to assure maximum performance in handgun or automatic gun operations. Available with 15- 25- or 35-lb melt tank capacities.



Benchmark 315
with a 15-lb melt tank



Benchmark 525
with a 25-lb melt tank

ProFlex® Series

The very best in hot melt dispensing technology configured the way you want for the ultimate in high-performance applications. We will custom build a system for you with the exact tank size, motor and pump combination, voltage and wattage output, hose and gun style that you need. ProFlex - the confidence of product flexibility. Meeting your needs today ... and re-configurable to meet your needs tomorrow.



ProFlex
with a 35-lb melt tank



ProFlex
with a 50-lb melt tank



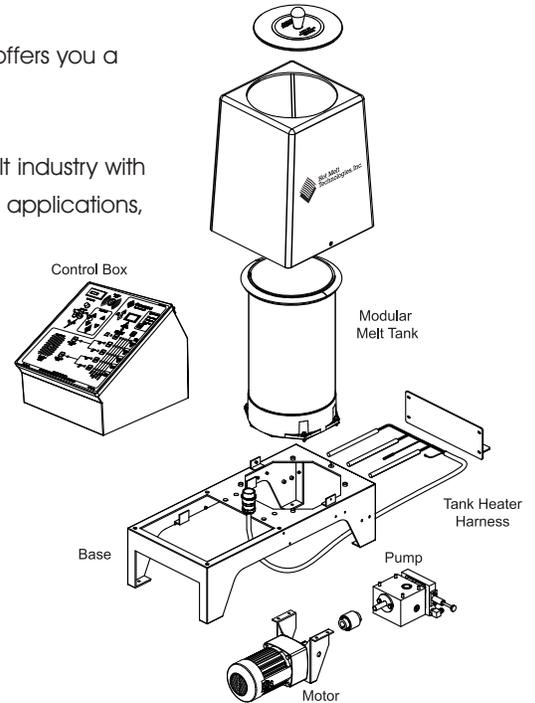
ProFlex
with a 135-lb melt tank

Production-Proven Adhesive Supply Units Bring Greater Efficiency To The Job.

With Benchmark, Benchmark HP (High Performance) and ProFlex Systems, no one offers you a greater choice in bulk adhesive supply units (ASU's) than Hot Melt Technologies.

We introduced the concept of easily interchangeable components to the hot melt industry with our ProFlex Systems. Offering full-custom capabilities for medium-and high-volume applications, they allow you to start with the exact system you want... and go with the reassurance that you can easily replace components to minimize downtime, or reconfigure your system to meet future needs.

In addition, we're setting new standards for reliability and value with our Benchmark and Benchmark HP Systems. Incorporating many of the production-proven features of our ProFlex models, these units come pre-configured providing both affordability and easy serviceability. They are the ideal choice if you are seeking excellent performance in a low-to medium-volume operation.



No Matter Which HMT Adhesive Supply Unit You Select, It's A Choice You Can Make With Confidence.

All HMT Adhesive Supply units feature:

High-strength, hardened steel spur gear pumps that provide maximum performance and maximum durability... everything necessary to meet your application requirements.

High-output, fractional horse power drive motors designed for continuous duty under the most extreme conditions. Available in constant or variable speed configurations, these motors will provide many years of trouble-free, proven performance.

Patented modular melt tanks designed for quick change and cleaning ease. HMT tanks feature melt-on-demand technology to reduce energy consumption and minimize adhesive degradation.

All HMT system and temperature controls are designed for easy operation. Sophisticated, yet simple to operate, HMT system controls include redundant, fail-safe features and system diagnostics.

To maintain shop-floor productivity, all HMT Adhesive Supply Units are easily serviceable with fewer spare parts, less repair time and less cost. All components can be easily removed and replaced when necessary.



Innovative Guns, Hoses & Accessories To Increase Productivity.

Hot Melt Technologies' long experience with production-intense manufacturing and packaging applications has led to the development of guns, heated hoses and accessories. Designed not only to withstand the rigors of shop-floor operations, they also provide superior efficiency and flexibility for almost every workplace.

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



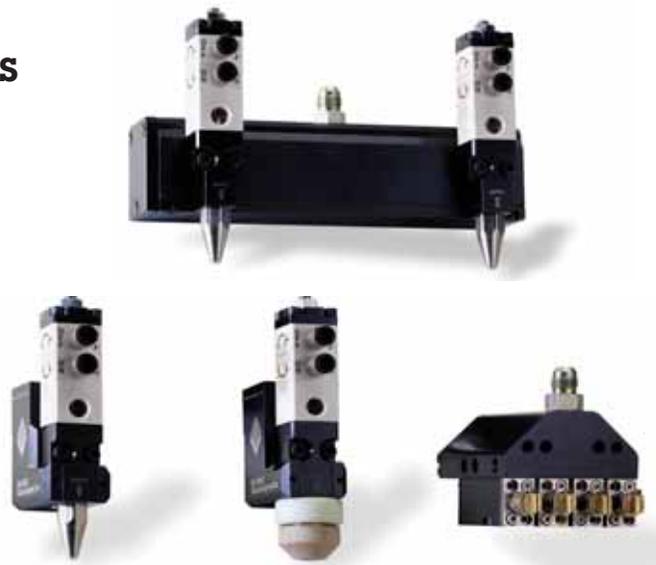
Handguns

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

- 360° 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.



Automatic Guns

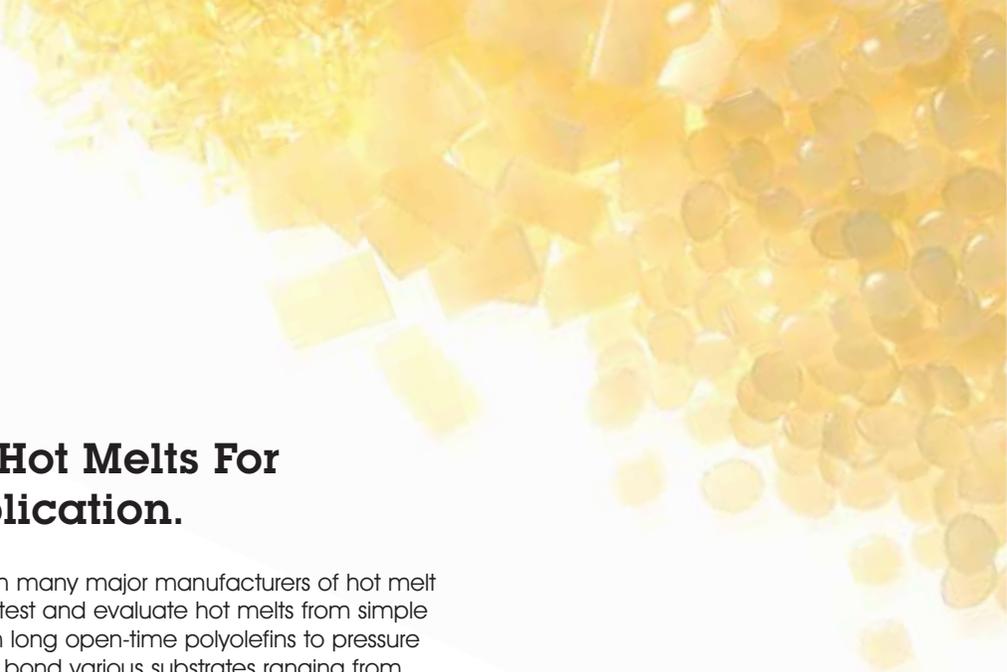
HMT 600 Series Automatic Guns are designed for high-volume, heavy-duty product assembly applications with either bead or spray nozzles:

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

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

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





High-Performance Hot Melts For Virtually Every Application.

Hot Melt Technologies works closely with many major manufacturers of hot melt adhesives and sealants. Every day we test and evaluate hot melts from simple EVA's to high-strength polyamides; from long open-time polyolefins to pressure sensitives. These hot melts are used to bond various substrates ranging from woods, metals and foam laminates to plastics, paper products, textiles, non-wovens and more..

Regardless of the hot melt you choose, HMT will assist you in determining the right application equipment you need to get the job done. We will assist you in determining the proper melt rate and usage rate. We will also measure output and flow characteristics, and provide "real world" information about open times, hot tack, as well as bond strength and heat resistance.

So if you're new to hot melts, or you are just looking for a different hot melt for a specific application, you can rely on HMT.



Hot Melt Technologies: A Choice You Can Make With Confidence.

Hot Melt Technologies is the "go-to" source for many of America's leading manufacturers and packagers. And for good reason... it's because our products are:

Designed for serviceability...

HMT's reputation for quality and reliability is second to none. All of our products are built tough for long service life and designed for quick and easy serviceability with fewer spare parts, less repair time and less cost. In fact, most service issues can be easily addressed quickly over the phone.

Fully supported after the sale...

All HMT Systems are backed by comprehensive warranties and industry-leading after-the-sale service programs. Our DFS® (Designed For Serviceability) Repair & Assembly Kits are the surest way we know to minimize downtime. And our exclusive NXP® (New Exchange Program) lets you exchange used components for new ones... at rebuilt prices.

Backed by an industry leader – HMT.

Since 1981, Hot Melt Technologies has been providing you with whatever it takes to get the job done more efficiently. For one-source convenience, we offer a full line of applicators, adhesives and accessories. For long lasting value, our components are modular and interchangeable – allowing you to easily service or reconfigure your system as needed. And for your continued satisfaction, we offer state-of-the-art customer support programs that allow you to stay productive, job after job after job.

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

No One Puts It Together Like HMT.

For more information, check us out at: www.hotmelt-tech.com Or call us at:

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