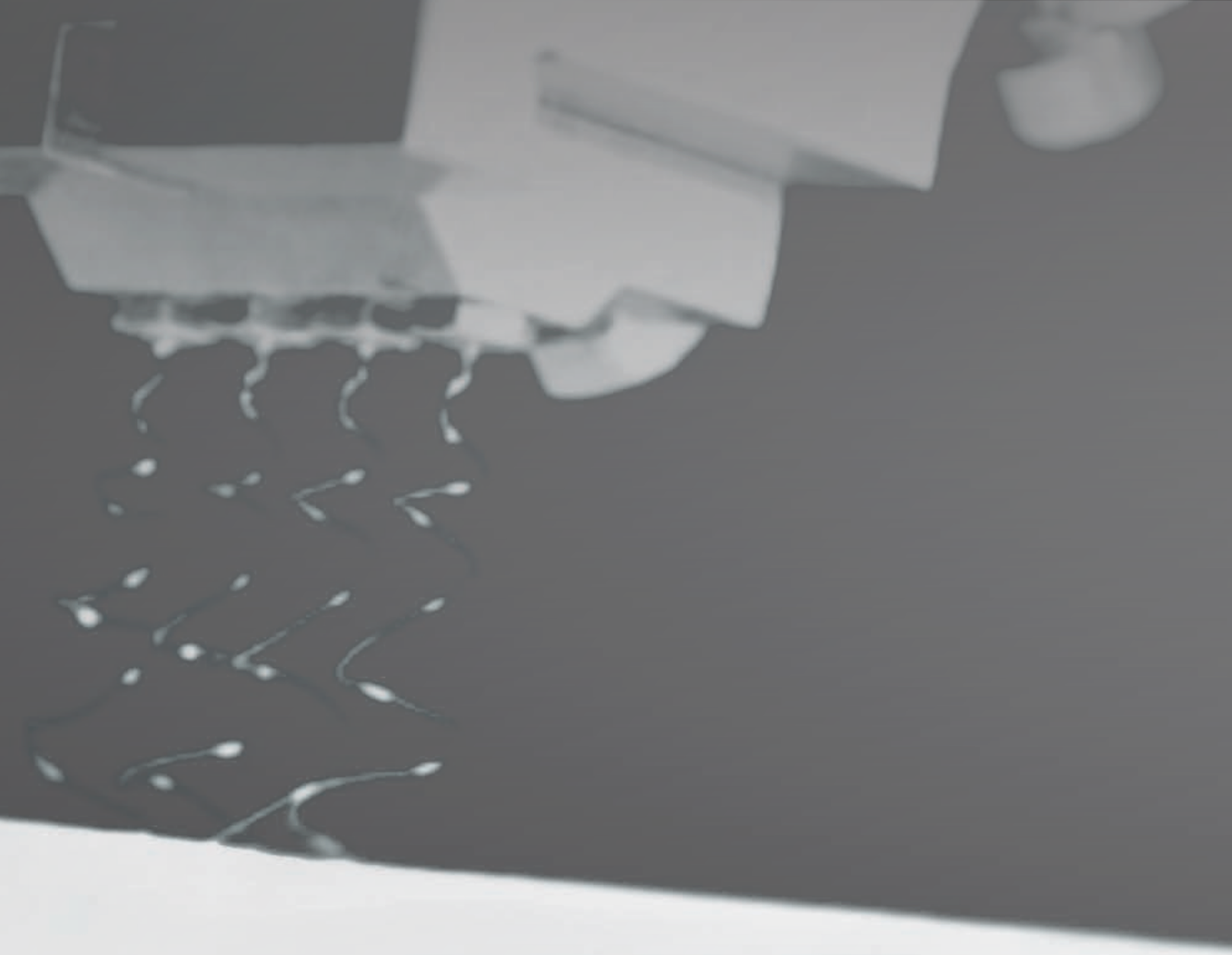


VALCO MELTON

Nonwoven Solutions

Adhesive Dispensing & Quality Assurance Systems

English Edition

Valco Melton Nonwovens Solutions

Sophisticated, Intelligent Systems

Valco Melton's nonwoven systems and components apply important market principles to produce a wide variety of patterns and widths for all hot melt adhesive applications associated with most hygiene product manufacturing requirements. Continued industry specific research has brought the latest and most advanced technology to increase production speed, reduce maintenance costs, and to maximize flexibility necessary for the changing demands of the market.



Nonwovens Adhesive Melters

The M & MPLUS Melter's offer the most accurate level of precision and adhesive control for EVA or PO adhesive applications for the nonwovens industry. PLC based control systems have been specifically designed for continuous performance.



MPlus Series

MPlus Series units incorporate the most innovative technology for outstanding performance. Equipped with the Allen-Bradley® full version, PLC control and HMI platform.



M Series

Valco Melton's M Series has been designed for demanding work environments. This system connects the most advanced PLC based control to the customer's production line network with full communication options for absolute stability in performance.



KEEP IT EASY

EB Pumping Stations

EB remote metering stations provide a flexible solution for multiple application points with added consistency and pattern stability. By linking multiple stations together without using extra hoses, numerous pump output streams can be combined into one to essentially reduce the amount of added parts.



NEW FlexMelt™ Series

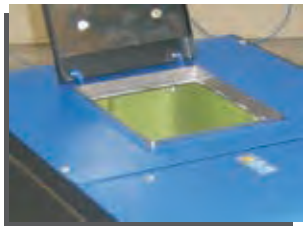


Valco Melton's new FlexMelt Series is the latest innovation to the nonwovens industry uniquely designed by our strategic research group.

From the smallest applications to the largest coating projects, this series is ready to cover all market needs with streak-free, uniform application.

The FlexMelt units are available in 8, 14, 30 and 50L tank sizes and can feature up to 4 gear pumps, single or dual stream. The pumps and variable speed AC motor are controlled from an intuitive multi-function controller to avoid any complicated programming tasks.





The new FlexMelt Series has been designed with the requirements of nonwoven product manufacturers in mind. The series supports any pump combination with up to 2 gear pumps, dual or single stream for the 8 and 14 L units and up to 4 gear pumps, dual or single stream for the 30 and 50L units for unparalleled flexibility.

All of our component solutions make it easy for you.



Totally Integrated
Multi-Function Controller

All FlexMelt Series Units feature an intuitive, totally integrated, multi-function controller that allows fast and easy configuration changes and key-to-line capabilities from one single user-friendly screen.

To simplify operator's programming tasks, all FlexMelt Series Units incorporate an integrated grammage (coating-weight) control that is also accessible through the multi-function controller.



Drum Unloaders

EDrum Series

Valco Melton's new EDrum Series Melters are one of the latest additions to a comprehensive range of large capacity melters.

Specially designed for the application of adhesive delivered in 200L drums, the melter includes finned or flat plattens to better adapt to all adhesive types and incorporates advanced safety elements such as an exhaust hood discharger grill or a platen protection system to prevent the operator from burns and trappings.

Valco Melton Nonwovens Solutions

Applicators: For precision converting

At Valco Melton, you will find the application solution you are looking for. For optimal precise gluing and applicator configuration, Valco Melton supplies a wide range of heads with multiple options.

NEW! MITO Series

Slot Coat & Non-Contact Applicator in One with Independent Module Configuration Options

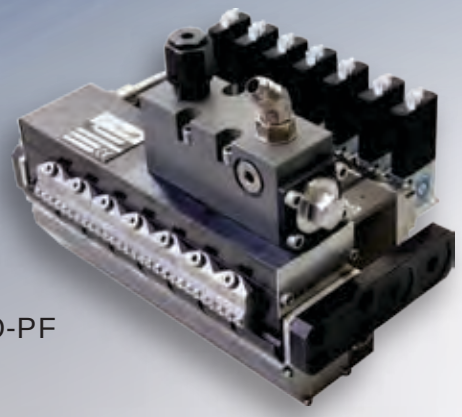
Valco Melton's New MITO Series features the ultimate range of nonwoven specific, hot melt applicators.

MITO Series Applicators are designed to achieve each and every adhesive pattern required in the industry. A simple nozzle change system allows for fast and effortless pattern changes including swirl, melt-blown, elastic and slot coat configurations. What's more, MITO Applicators are engineered to allow simultaneous application of different adhesive patterns like slot coat and spray on the same substrate with only one applicator head.

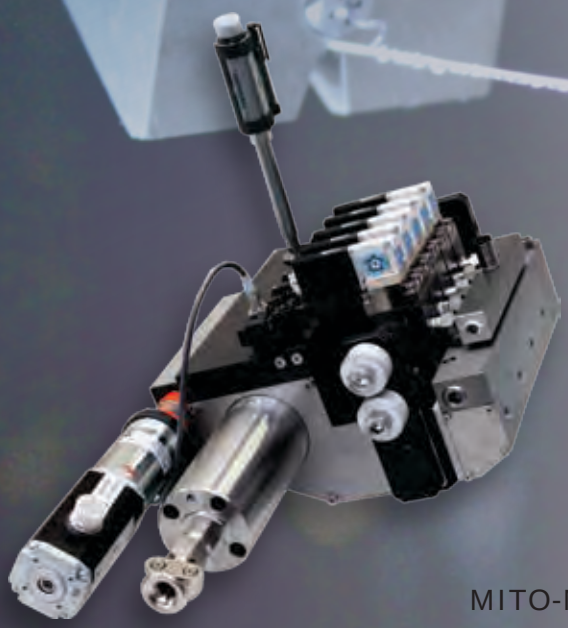
MITO Series Applicators are available in metering or pressure-fed configurations. Application width ranges vary from 25mm to 500mm. Each item in this series includes the new MI-III Modules for a longer life and performs at 12,000 cycles/min.

The MITO-M Applicator with metering capabilities is the most sophisticated product in the series. It incorporates an exclusive, small pump on each module. This ensures even cross-web adhesive distribution and immediate hydraulic response, reducing waste during machine ramp-up. Each module is independent from each other, and can work with different flow, pressure, and grammage configurations.

The MITO-M Applicators also feature one resettable pressure relief valve per module, where you can individually select each module into recirculation mode.



MITO-PF



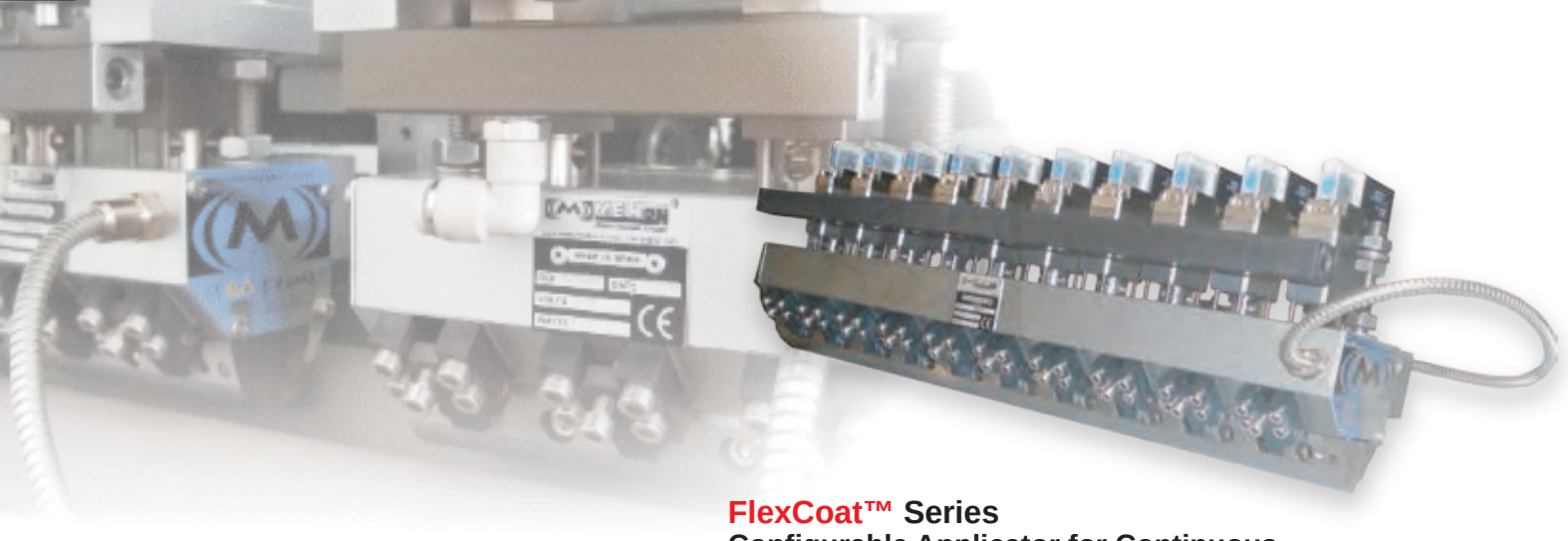
MITO-M

MITO Series Applicators feature an optional patent-pending, state-of-the-art, in-line viscosity controller.

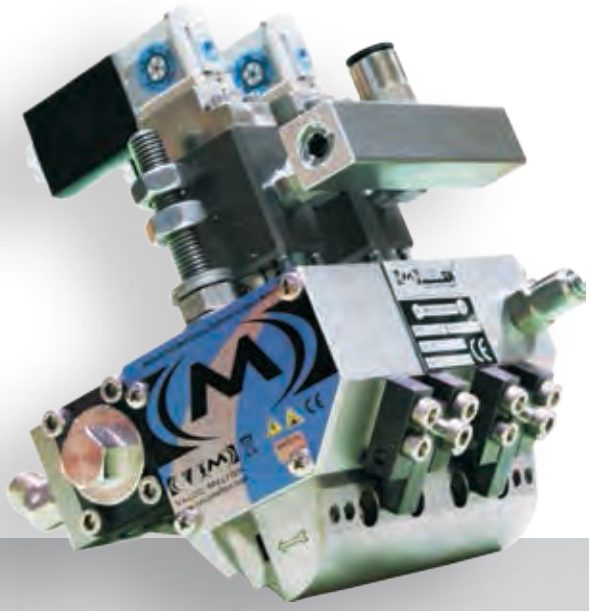
This innovative technology allows the system to keep constant adhesive viscosity, stabilizing the manufacturing process. Viscosity changes have a negative impact on the adhesive flow and pattern positioning. This results in material waste and downtime associated with machine stops.

By achieving a stabilized adhesive viscosity, MITO Applicators minimize "bleedthroughs", pattern defects and intermittent application adhesive missplacements

The NEW MITO Series Hot Melt Applicators optionally feature an integrated pressure transducer with in-line viscosity control technology

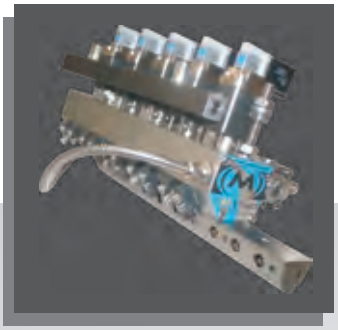


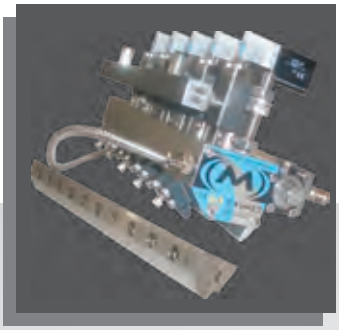
FlexCoat™ Series
Configurable Applicator for Continuous or Intermittent Coatings up to 500 m/min and 1000 mm Lamination Widths



A configurable applicator for continuous or intermittent coatings permits faster product changes while minimizing spare parts stock.

A new adjustable blade is an effective low cost solution that allows lamination in both directions and can be easily removed for ultra-fast shim changes.





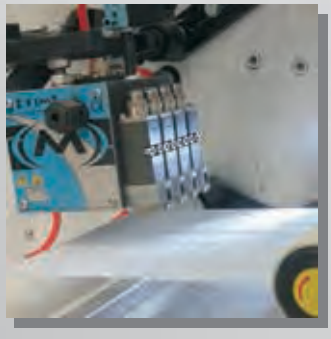
FlexSpray™ Series
Spray Applicators with Integrated Air Heater

A cost-effective solution that provides a highly accurate adhesive application and reduces initial investment in additional spare parts inventory.

Valco Melton's FlexSpray Series Applicators feature a new air heating system that increases thermal efficiency and reduces cabling needs.

All applicators are compatible with Swirl CP, BAT25, and BAT22 modules, encompassing a variety of applications, inlcuding swirl, mini-swirl, strand coat and curtain coating.







Valco Melton Nonwovens Solutions

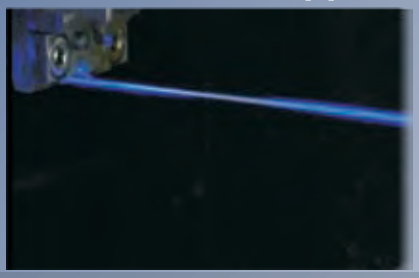
Applications:

Compact and modular designs for applicators, interchangeable modules and nozzles provide one of the largest ranges for hot melt adhesive patterns available to the industry.

Designed specifically for the nonwovens industry, this innovative module's technology will work on continuous or intermittent applications with minimal requirements for spare parts stock.

Whatever your specific requirements may be, Valco Melton's proven product collection can provide the configuration needed.

BAT V Contact Application





Swirl Application

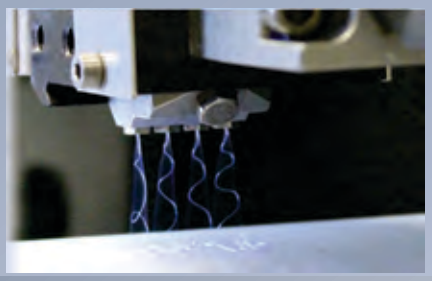


Slot Coat Application





BAT25 L Application



BAT E Application



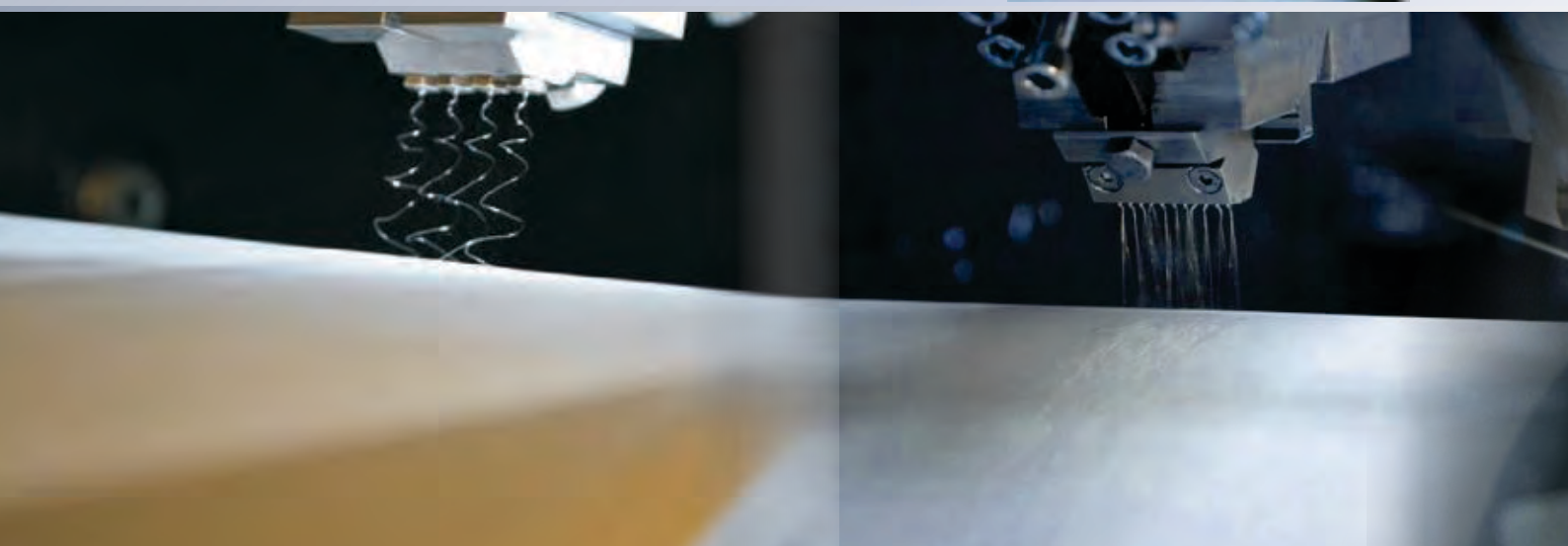


BAT25 M Application



BAT 22 Application



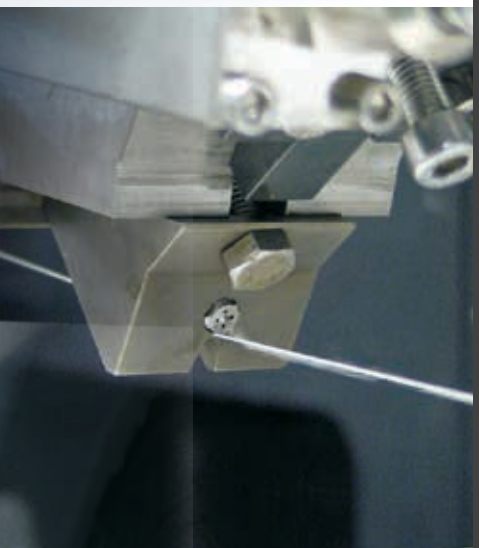












Solutions:

Perfume Dispensing Systems

Achieve savings of up to 80% against traditional perfume or lotion dispensers with Valco Melton's Air-Less Perfume Dispensing Technologies.

Spray application is substituted by a small dot dispensed on each pad. This eliminates the risk of perfume being atomized to the environment and ensures that every product receives a precise and equal dose, even during machine startup or at variable line speeds.



300 Series Valve

DD1 Pump



MCP4 Pattern Control

Flow Metering Systems

Gain unparalleled control of all techincal processes in the nonwovens industry.

Valco Melton's Flow Measurement devices are sensors that measure volume rate based on a calibrated gear principle. Designed to work with hot melt adhesives up to 210ºC.

The process is monitorized from a Control Cabinet, which provides different options to integrate and communicate with the parent machine.



VM's FlexFlow Meter

Compatible Spare Parts



An unlimited amount of accessories and market standard compatible parts are offered to the customer looking for additional opportunities to enhance production requirements and product success.

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