BATCH CODING, LABELING & PACKAGING SYSTEMS

- **Ink Jet Printers**
- Hand Held Ink-Jet Printer (IJP-M3S-X)
- Online Small Ink-Jet Printer (IJP-M3S-O)
- Large Character Hand Printer (IJP-M3S+/Max)
- Table Top Ink Jet Label Printer (IJP-X1/X2)
- Handheld / Online Ink-Jet Printer (IJP-T-360)
- Biggest Hand Held Ink Jet Printer (IJP-B80)
- Smallest Colour Ink Jet Printer (IJP-PrinCube)
- Manual Ink Jet Pen (IJP-PrintPen)
- Manual Ink Jet Stamp (IJP-JetStamp 970)
- Industrial On-Line Ink-Jet Printer (IJP-P2128)
- Large-Character On-Line Printer (IJP-X72)
- Large-Character Hand Printer (IJP-M10)
- Large-Character On-Line Printer (IJP-CL7)
- Multi-Head Egg Jet Printer (IJP-Egg)
- Compact Hand Held Laser Printer (SLP–L3)
- Online / Offline Smart Laser Printer (SLP)
- **On Line Coding Machines**
- On-Line Coder for Packaging Machines (BCC)
- Hot-Roll Rotary Coder (Like Markem) (HRC)
- Electro Pneumatic On-Line Coder (EPC)
- On-Line Hot Foil Coder (HFC)
- On-Line Continuous Friction Coder (FDC)
- Auto Carton Coder for Taping Machine (ACC)
- Conveyorized Product Coder (CEMC)
- On-Line Motorized Pipe Coder (PPC)
- **Off Line Coding Machines**
- Table Top Electro Mechanical Coder (EMC)
- Table Top Hot Foil Coder (HFC)
- Stacking Auto Feeding High Speed Coder (SCC)
- Stacking Hot Wax Table Top Coder (TTC)
- Motorized Pad Printing Machine (PPM)
- **Manual Coding Machines**
- Hand Held Coder for Cartons (HHC)
- Hand Stamping System for Pouches (HSS)
- Manual Hot Foil Coder (HFC)
- **Packing Machine**
- Carton Strapping Machine (CSM)
- Carton Sealing / Taping Machine (CTM)
- Combined Carton Strapping & Taping (CSTM)
- Blister / Skin Packing Machine (BPM/PSP)
- Stretch Wrapping Sealer (SWM)
- Tray Stretch Wrapping Machine (TWM)
- **Pouch Sealing Machine**
- Automatic Band Sealer Machines (BSM)
- Band Sealer with Nitrogen / Vacuum (BSM-G)
- Heavy Duty Bag Sealing Machine (BSM-W)
- Pneumatic Bag Sealing Machine (PHS)
- Pedal Heat Sealer (PFS/DPS)
- **Shrink Packing Machine**
- 2 in 1 Shrink Packing Machine (SPM)
- Shrink Packing Tunnels (SPT)
- L-Bar Sealer (LBS)
- Auto Shrink Packager Web Sealer (SPWS)
- **Vacuum Packing Machine**
- Table Top Vacuum Packaging Machine (TVP)
- Vacuum Packaging Machine (VPM)
- Vertical Type Vacuum Packaging (VPM-V)
- Double Chamber Vacuum Packager (DVP)
- Mini Vacuum Sealer (MVS)
- **Lidding / Capping / Sealing Machine**
- Induction Sealing Machine (ISM)
- Cup Heat Sealing Machine (HSM)
- Manual Lunch Tray Sealer (LTS)
- Semi-Automatic Cup Sealer Packaging (CPM)
- Automatic Cup/Tray Lid Sealer (AMS)
- Cap Locking & Capping Machine (LCM)
- Tube Crimping / Sealing (TCM/TSM)
- **Filling Machines**
- Semi-Automatic Bottle Filling Machine (BFM)
- Pneumatic Liquid filling Machine (LFM)
- Automatic Bottle Filling Machine (AFM)
- Paste Filling Machine (PFM)
- Mini Powder & Granule Filler (PGF)
- Auto Powder Filling Machine (PAF)
- **Label Printers / Applicators**
- Automatic Vertical Sticker Labeling (AVLM)
- Automatic Horizontal Sticker Labeling (AHLM)
- Semi-Automatic Sticker Labeling (SLM)
- Semi-Automatic Edge Labeling (ELM)
- Label Roll Printing Machine (LPM)
- Label Roll Dispenser (LRD)
- Semi-Automatic Glue Labeling M/C (BLM)
- Paper Folding Machine (PFM)
- **Conveying Systems**
- Unwinding / Rewinding Machine (WRM)
- Flat Belt Conveyor Systems (FBC)
- Auto-Feeding Stacking Conveyor (SCS)
- Truck Loading Conveyor (TLC)
- **Consumables & Accessories**

ADVANCED INDUSTRIAL MICRO SYSTEMS

THERMAL TRANSFER ON-LINE PRINTER – MODEL TTO

Industrial Thermal Transfer Printers Model TTO-200V can integrate seamlessly into a range of flexible packaging machines & can print clear legible alpha numeric, logo, barcode as well as text on both intermittent and high-speed production lines.

VIDEO: https://youtu.be/WfQGNKZeWDY

FEATURES:

- Patented ribbon economy system you can save up to 60% on ribbon usage without reducing print resolution.
- Long ribbon rolls reduces changeovers and maximizes production uptime
- Maintenance-free clutchless Dancing Arms provide ribbon tension control preventing ribbon breakage and ensuring responsiveness at high-speed

THERMAL TRANSFER VERSUS LASER:

- If a barcode is printed, the TTO method is giving better readability (Barcode scanner).
- If a Logo or Barcode is printed, the TTO method is very much faster than laser.
- The cost of a Laser printer is very much higher than TTO.
- Maintenance of TTO is very easy, zero loss of time.
- Maintenance of TTO is very clean, no dirtiness, no heavy cleaning operations.
- With one roll of inked ribbon and one of receptor ribbon (500m long) you can produce approx. 20000 prints (25mm long). So also the time for replacing new rolls is not subtracting too much time to the production.
- Another technical aspect is that Laser marking is producing toxic smokes, due to the combustion of the plastic. These fumes have to be removed from the ambient using filters, aspirator or extracting fans, with TTO, does not exist at all.
- Also the Laser tube (Laser source) after a certain number of hours is exhausted or finished and has to be recharged. The recharging for Laser tubes is normally very costly which is an additional cost that TTO does not have.

THERMAL TRANSFER VERSUS INK-JET:

- If a barcode is printed, the TTO method is giving better readability (Barcode scanner), because the definition of thermal transfer is higher than ink. This is a very big advantage for TTO.
- If a Logo is printed, the TTO method is giving better quality and definition of the image too.
- Maintenance of TTO is very easy, zero loss of time.
- Maintenance of TTO is very clean, no dirtiness: instead for INK a lot of time is lost for maintenance, cleaning, change of color and similar activities. With loss of time: and this means costs.
- Also the maintenance for ink-jet has to be done very well and done continuously: otherwise, after short period, the quality of printing will downgrade and become poor.
- Consumables of TTO are more expensive than the ink, but not much time needed for changing the rolls. For ink more time is lost for this activity during production.
- Furthermore the high resistance inks are expensive, and they have an expiring date which is not too long.
- The inks have to be thrown away, in careful way, because they are chemical products: also this is taking time and costs.

SPECIFICATIONS:

Coder Model	TTO – V200
Printing Modes	Continuous Mode (CM)
Print Density	300 dpi
Print Speed	50–1400mm/sec
Print Area	53mm×2700mm
Max. Ribbon Length	1400m
Ribbon Width	20mm–55mm
Ribbon Saving Features	Can save up to 60% ribbon usage
Dimensions (W×H×D)	262mm×191mm×204mm
Weight	7.8kg
Power Supply	115/230VAC, 50/60Hz, 300VA

QUALITY
RELIABILITY
COMMITMENT

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