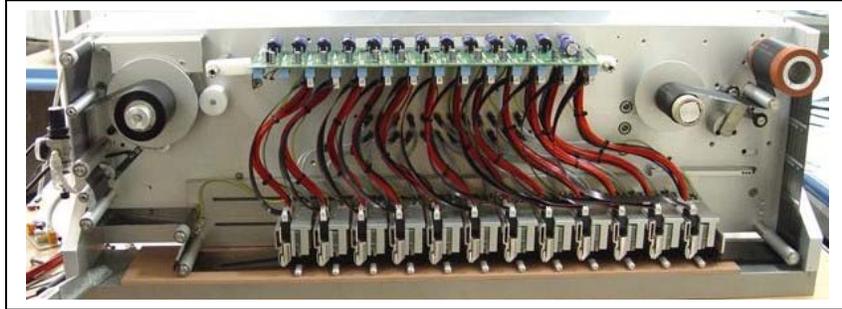# MULTIHEAD THERMAL TRANSFER PRINTER

The new ThermalPak™ Model TP4100 programmable printer is a robust unit designed for multi-lane applications and provides high-quality (300 dpi) printing of variable information on a wide range of packaging materials. The single modular unit will accommodate up to fourteen printheads and enhance production uptime with uniform print consistency and fast ribbon changeover. The TP4100 is easy to operate and can be integrated on all types of intermittent-motion packaging equipment including horizontal form-fill-seal, overwrapping, bagging, thermoforming, blister pack and more.

ThermalPak™ Model TP4100

Features & Benefits

Economical
- programmable ribbon save for optimum economy – optimization of ribbon between prints

Efficient
- Equipped with three microprocessors for optimum economy

Easy to use
- Self-contained programming handset with easy to use operating system enabling very fast editing and creation of print designs.
- Optional print design PC software.

Flexible
- Versatile mounting options, multilane thermoformers, stick-pack and all machine requiring multiple prints.
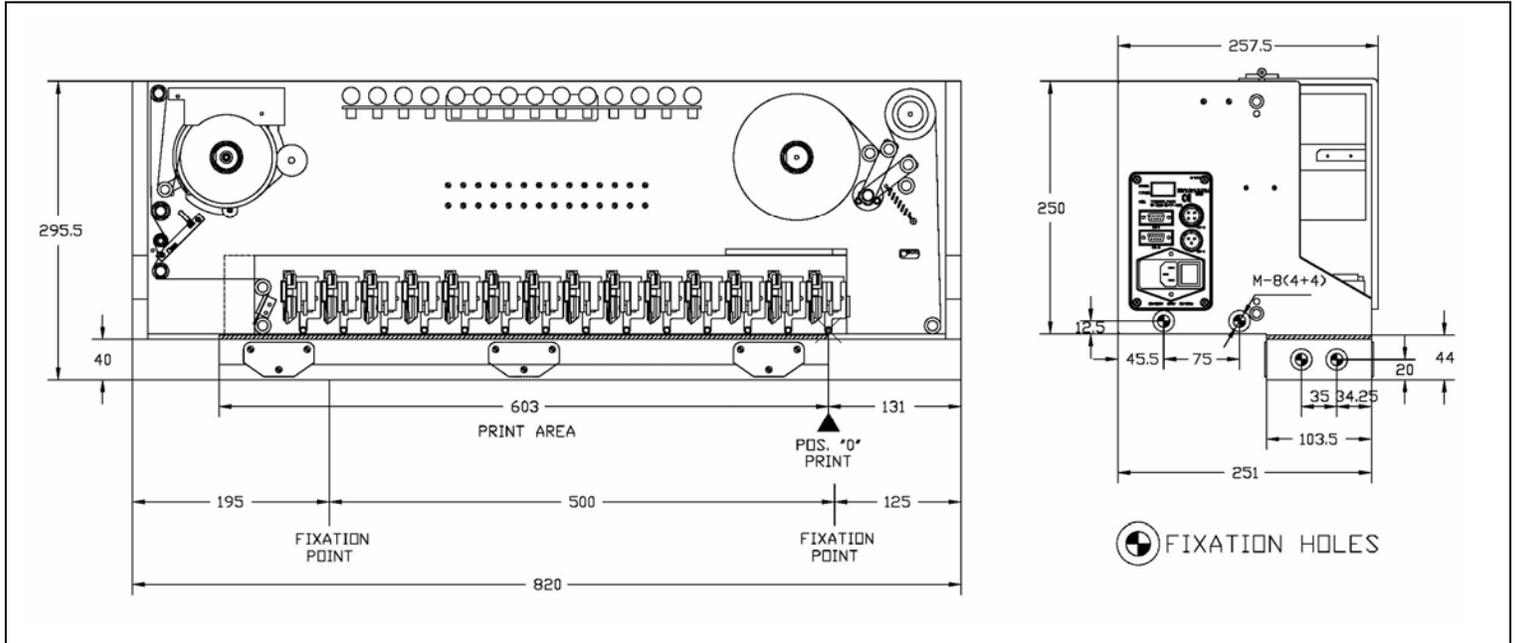
Secure
- Several levels of password protection
- Non-tamper automatic code change option for elimination of operator error.

Norwood Marking Systems – A division of ITW
2538 Wisconsin Avenue
Downers Grove, IL 60515

CE

Specifications

Standard Unit	Up to 14 printheads maximum
Dimensions:	Height 11.70", 297mm Width 32.25", 820mm Depth 12.20", 310mm
Electrical Standard:	110/240 V 50/60 Hz 1500W CE Certified
Temperature	Operating temperature between 5ºC and 40ºC
Air Supply:	60 Psi
Character Height:	6-72 font size
Print Configuration:	Print width: 56mm Max print length per head: 40mm Minimum print gap: 52mm (distance between TPH) Total Print length: 600mm prints per head: 1 - 6 Max number of heads: 14 Number of film advance: 2 or 3 (More advance options are available – require consultation.)
Print Head Dot Density:	12 dots per mm (300 dpi)
Print Speed:	Adjustable from 20 to 150mm/sec (maximum adjustable speed) Ribbon rewind speed 1500mm/sec (maximum adjustable speed)
Prints per minute:	Determined by print area, dwell, web & cycle speed
Ribbon specifications:	Ribbon core diameter 25mm Ribbon length 600m (maximum)
Memory:	500Kb standard, Flash memory card up to 32Mb
Modes of Operation:	Easy to read color handset, Direct connection to PC
Functions:	• Real time printing • Graphic images - .bmp and .pcx formats • Batch count indication • 0º, 90º, 180º, 270º Rotation • Normal and obligatory • Extended Date codes • Date/Real time clock • Boxes and lines
Bar Codes	EAN-8, EAN-13, EAN-128, CODE 128, CODE 39 I-2 of 5, CODE 93, DUN 14, ISNB, UPC-A RSS14, RSS14 truncated, RSS14 limited, RSS14 stacked, RSS14 stacked omni-directional
Text:	4 Fonts resident (scalable) 4 Fonts True Type external loading (256Kb maximum each one)
Outputs:	Printer ready/not ready, Broken ribbon
Connectivity:	RS-232 (PC), USB, Ethernet
Options	Additional print heads Alarm lights for ribbon out Custom configurations