

DATA SHEET
LABEL PRINTER AND
APPLICATOR

LEGI-AIR 4020



Weber[®]
LABELING & CODING SOLUTIONS

Legi-Air 4020

Economical Printer-Applicator

Weber's exclusive Model 4020 is an ideal unit for moderate labeling demands or for initial entry into on-line print-and-apply labeling.

This truly economical system addresses numerous applications, and includes functions formerly limited to higher-cost, higher-duty systems.

The Model 4020 – engineered, assembled and available only from Weber – integrates the latest direct-thermal/thermaltransfer print engine technology.

The unit prints 105mm wide 203-dpi text, bar codes and graphic images at speeds up to 6 ips, and will dispense labels up to 112 mm wide and 160 mm in length.

Each label is printed on demand to assure cost efficiency, and then it is applied nearly instantly to a product (e.g. a carton on a conveyor line).

Utilizing the well approved tamp-blow method, the printed pressure-sensitive label is peeled from its liner, fed on the applicator's tamp pad and there it's retained by vacuum. The pad will extend (180 mm standard stroke), reset under the vacuum, and blow the label onto the product without touching its surface.

Standard features include a label-on-pad sensor, pressure input monitoring easy status diagnostics by LED, inputs/outputs to accommodate a product sensor or other optional accessories, plus a stepper-driven rewinder.

Options include for instance an adjustable stand that enables the system to be oriented for all direction application. Extended stroke length or rotating cylinders are available, too.

Weber also manufactures a wide variety of stock and custom pressure-sensitive labels, and provides application-specific printer ribbons for thermal-transfer operation.

KEY FEATURES

- Economical system addresses numerous applications
- Excellent 203 dpi print quality
- Handles labels up to 112 x 160 mm
- Accurate labeling within $\pm 1,5$ mm



Specifications:

Dimensions

870 x 300 x 670 mm (L x W x H)

Weight

about 45 kg

Electrical

100 - 240 VAC \pm 10 %,
50 - 60 cycle \pm 5%, 3 amps;
overload protection built in

Communication Interface (orderable)

- RS-232-C
- Parallel
- Ethernet
- Wireless - 802.11b
- RS422/485

Air Requirements

approx. 2 liters per distribution cycle at 6 bar (for most of the applications).

Product Sensing

Photoelectric (standard)
PLC-Interface
isolated relay output
"conveyor synchronize"
"common fault"
Optocoupled input
"Activation of print/apply (Trigger)"

Printing Methods

Direct-thermal or thermal-transfer

Print Resolution

203 dpi

Label Sizes (W x L)

112 x 160 mm maximum
25 x 25 mm minimum

Print Speed

Up to 152 mm/sec.

Label Roll Size

maximum diameter 300 mm

Labeling Speed

up to 60 labels / Minute
Timing depends on label size, variable data and stroke length

Label Placement

Accurate to \pm 1.5 mm when labels are produced to specifications and product handling is consistent and controlled

Labels

Die-cut, waste removed with 3mm gap between labels in running direction and 3mm maximum web over label width; direct or thermaltransfer

Data command

SPL

Print Characters & Bar Codes

Text:
Selection of fonts, including OCR-A & B representation

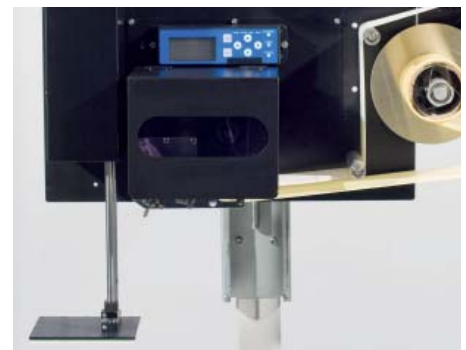
Bar Codes:

UPC-A/E, EAN-8/13, Code 39, I 2 of 5, Code 128, Codabar, MSI 2 of 5, Code 93, UPC Bookland, Matrix 2 of 5, Postnet, UCC/EAN 128, PDF-417, Maxicode, Data Matrix, QR Code, VeriCode, others

Text and bar codes can be rotated 360 degrees; horizontal and vertical character expansion

Optional Features

- Adjustable stand
- Variable stroke sensor
- Low-label sensor
- extended stroke length
- 90° / 180° rotating applicator
- Real time clock
- Alarmlight



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