



**TRAXEED**  
KÖRBER SOLUTIONS

## ItemUnit

The Traxeed ItemUnit is a modular system for online coding, serialization and verification of single items in the pharmaceutical packaging process.

The ItemUnit combines a precise product transport (four lane conveyors) with printing, vision control, reject system and the batch controller. Configurable software features with integrated label designer and automatic vision configuration based on the label design make the system compliant with track and trace regulations worldwide.



### FEATURES

#### Conveyor system

- Servo driven four lane conveyor belt
- Belt speed adjustable up to 70 m/min
- Up to 400 ppm
- Transfer height variable from 750 to 1000 mm
- One transport system for laser and ink jet print systems

#### Machine cover (optional with thermal ink jet printers)

- Plexiglass cover
- Lockable door safety switch

#### Coding system options

- Thermal inkjet printer Wolke m610 oem
- CO<sub>2</sub> laser printer Domino D620i (60 W)
- CO<sub>2</sub> laser printer Videojet VJ 3330 (30 W)

#### Inspection system

- Traxeed vision system including camera station and LED lighting
- b/w CCD-Matrix-Camera
- Field of view: W = 60 mm, H = 40 mm
- Resolution: 1296 × 966 pixel
- Additional camera station to verify data in up to two different positions simultaneously

#### Reject station

- Pneumatic driven air blower
- Reject verification with light barrier
- Rejected products are collected in a reject bin
- Optional additional reject stations

#### Industrial PC

- B&R Industrial PC
- CPU Intel Core i7 Quad Core 2.3 GHz
- RAM 4 GB DDR3
- SSD 60 GB
- 18,5" Widescreen TFT Touch Screen

## FEATURES

### Additional accessories

- Optional speed controlled infeed and outfeed conveyor belts
- Handheld code scanner
- Reject bin suitable for heavy cartons (e.g. carton with bottle)
- Pusher for ejecting heavy cartons

### Installation requirements

- Voltage: 230 V, 50 Hz / 110 V, 60 Hz (L, N, PE)
- Power: approx. 1.0 kW  
(can vary with the machine options)
- Compressed air: 6 bar clean dry air / consumption at continuous operation approx. 90 Nm<sup>3</sup>/h

### Operating Conditions

- Temperature: 10°C – 40°C
- Humidity: 0% – 80% RH (non-condensing)

### Please note

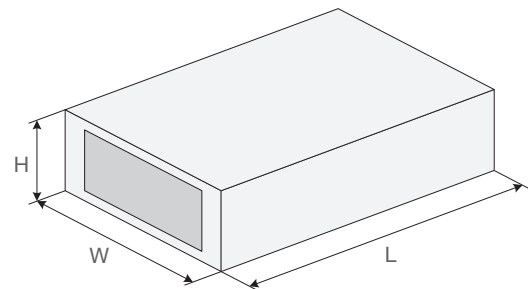
- High humidity can have negative effects on print quality (grading, blur of print)
- For thermal ink jet print systems: High humidity might cause longer ink dry time which has an impact on the machine vision inspection and could lead to higher false rejects rate
- It might be necessary to reduce the print resolution or the transport speed of the system in order to increase the ink dry time
- For thermal ink jet print systems: High humidity might lead to a shorter cleaning interval for the nozzle of the thermal ink jet cartridges

## SPECIFICATIONS

### Product dimensions

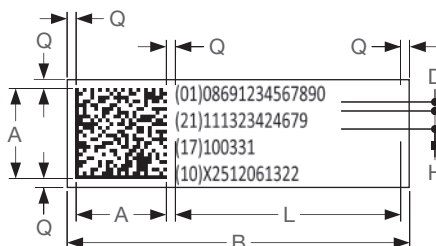
	min.	max.
Width (W)	15 mm	180 mm
Height (H)	15 mm	125 mm
Length (L)	55 mm	260 mm
Weight	30 g	300 g

Other product dimensions have to be evaluated by Traxeed.

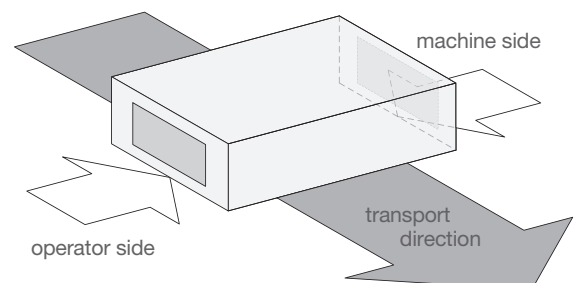


### Sample print layout

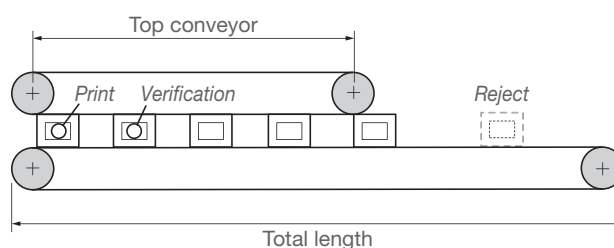
- A Barcode size
- B Code field length
- D Line space
- L Text length
- H Text height
- Q Quiet zone



### Print positions



### Conveyor system



## CODING SYSTEMS

**Thermal inkjet printer Wolke m610 oem / Domino G320i OEM**

- Resolution 300 dpi
- Coding speed up to 60 m/min
- Print height 12.7 mm per print head
- Up to 4 print heads to print in up to two locations simultaneously or to increase print height to 25.4 mm (max. 2 print heads on one side)

**CO<sub>2</sub> laser printer Domino D620i**

- 60 watt air cooled
- Coding speed up to 50 m/min (depends on print content; typical 35 m/min)

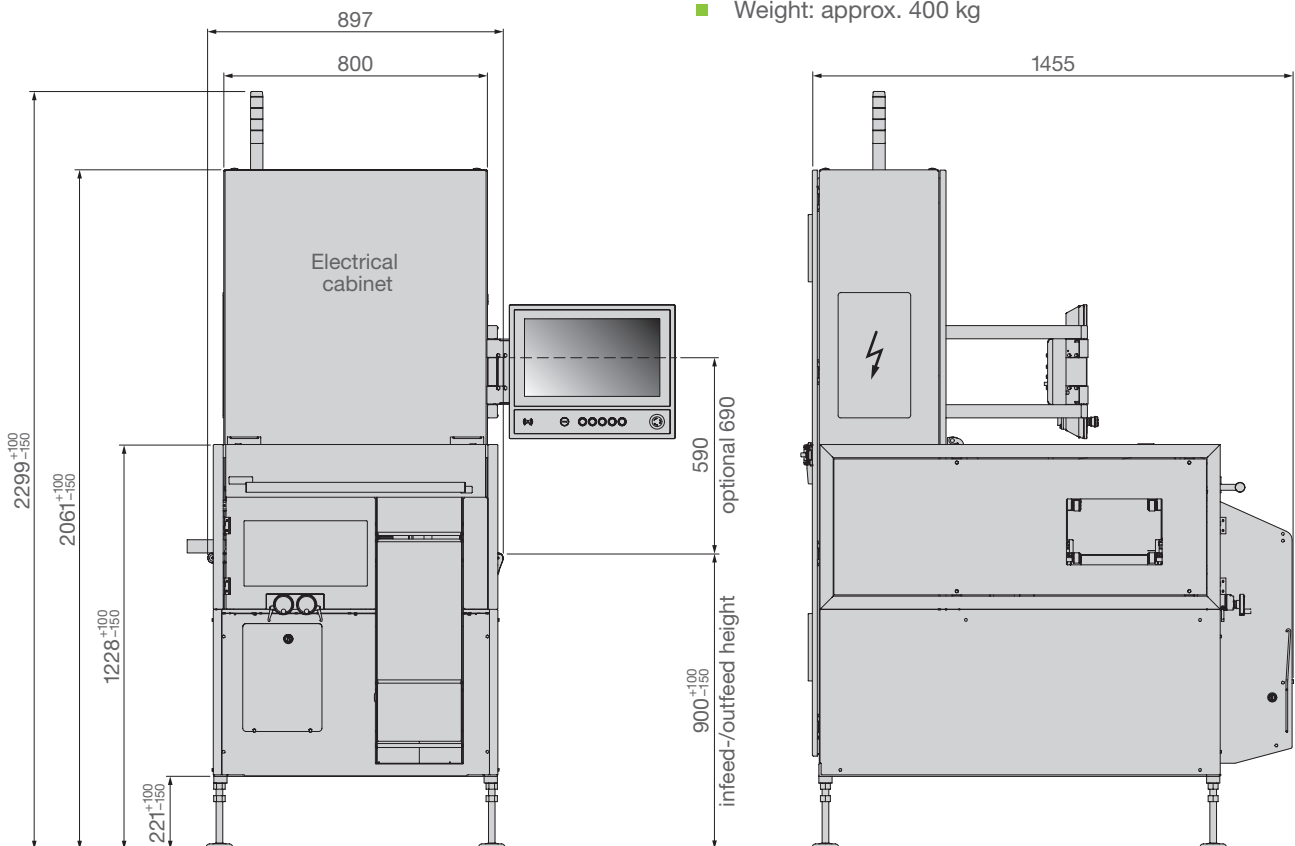
**CO<sub>2</sub> laser printer Videojet VJ3340**

- 30 watt air cooled
- Coding speed up to 40 m/min (depends on print content; typical 35 m/min)

## DIMENSIONS

**Space requirements:**

- Frame length: 897 mm
- Total depth: 1455 mm (incl. electrical cabinet)
- Total height: max. 2399 mm
- Weight: approx. 400 kg



## TRAXEED LIFE CYCLE SERVICE



### **Traxeed Service Desk**

The Service Desk is staffed by qualified experts. They can provide 24/7 service 360 days a year. The Service Desk combines maximum competence with short response and solution times.



### **Traxeed Academy**

Our customized training and support programs impart theoretical and practical knowledge to enhance the productivity of your employees.



### **Traxeed Field Service**

Our technicians have the expertise and understanding that comes from time, training, dedication to their craft and determination to provide superior service to every customer.



### **Traxeed Original Spare Parts**

We stock an extensive inventory of original spare parts at our worldwide locations to ensure speedy delivery. Machine-specific spare parts packages are also offered to give you in-house stock for immediate installation.



### **Traxeed Retrofit/Upgrades**

Retrofit: For more flexibility and functionality, take advantage of the modularity and expandability of your machines and profit from consistently modern equipment. Upgrades: Improve your installed equipment and software with upgrades.



### **Traxeed Process Optimization/OEE**

Consulting and technical support to increase equipment performance, availability and reliability.