PICAS EBS-230

SMALL BUT POWERFUL

COST-SAVING AND ROBUST INK JET PRINTER

PicAS EBS-230

39 **YEARS** EXPERIENCE IN INK-JET-SYSTEMS
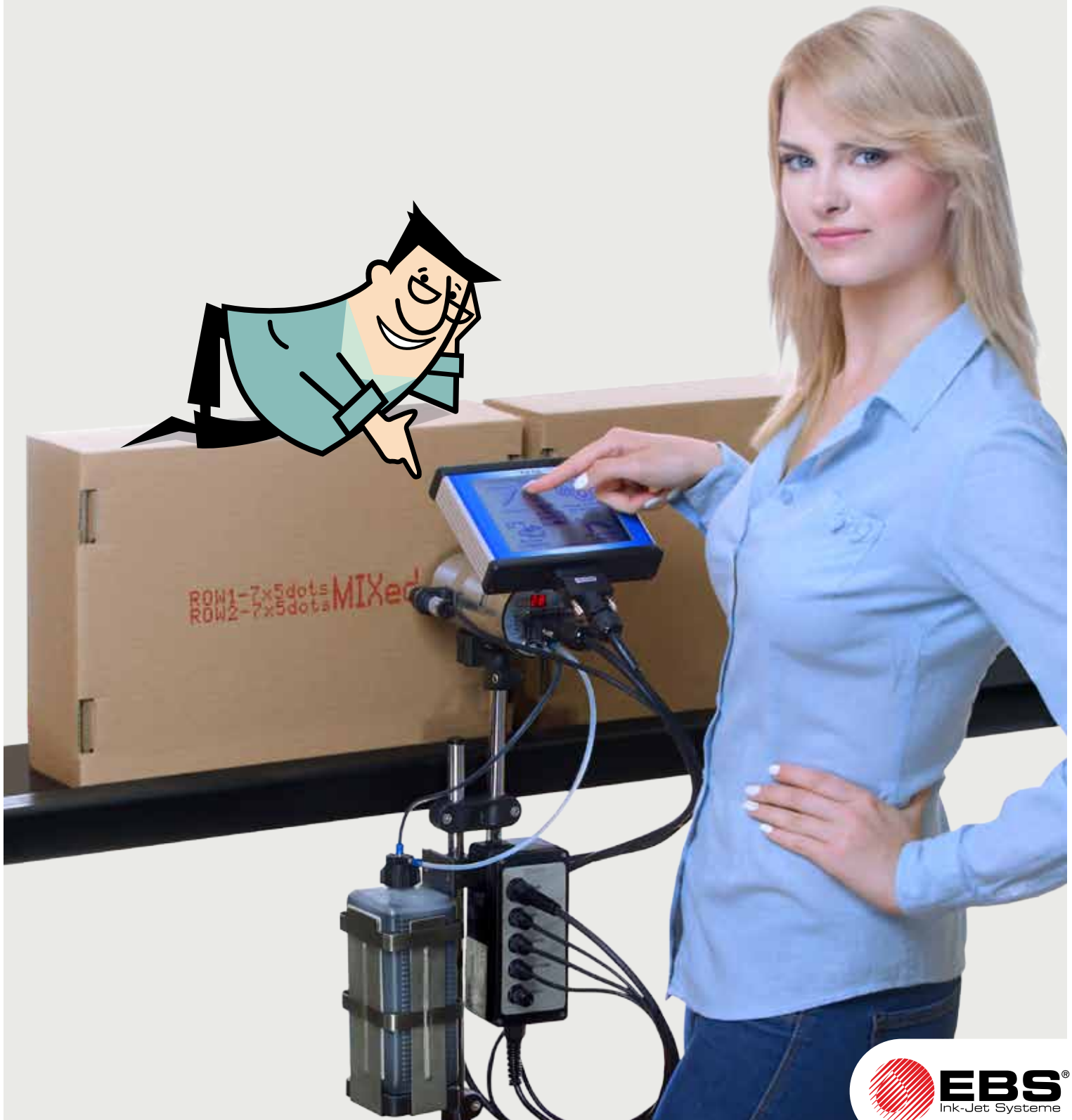
Easy. Simple. Printing.

2-line coding has never been so easy

Multiple colors, pigmented, UV viewable security, fast drying, food grade, heat resistant, environmental friendly are just a selection of inks.

Suitable for printing on porous and non-porous surfaces.

Introducing one of the most compact and versatile DoD printers in the world.

149 mm length – fully equipped.

PicAS EBS-230 incorporates all state-of-the-art functions a modern Drop-on-Demand (DoD) printer must have. In its ultra compact stainless steel enclosure everything you'll need for a perfect printout is included: Print engine, air compressor, air filter, ink filter, interfaces, logic board with CPU and memory and software.

IP 54 protected.

Best of its class enclosure of printhead, junction box with power supply, bottle reader and touch screen terminal. All water and dust protected.

Applications

→ **Plastic profile**

→ **Carpet**

→ **Brick**

→ **Glass**

→ **Steel**

→ **Gas concrete**

→ **Cable spool**

→ **Paper bag**

→ **Window profile**

→ **Plastic pipe**

→ **Sponge rubber**

→ **Fruit box**

Configurations

no touchscreen

11mm 7 dots

27mm 16 dots

with touchscreen

11mm 7 dots

27mm 16 dots
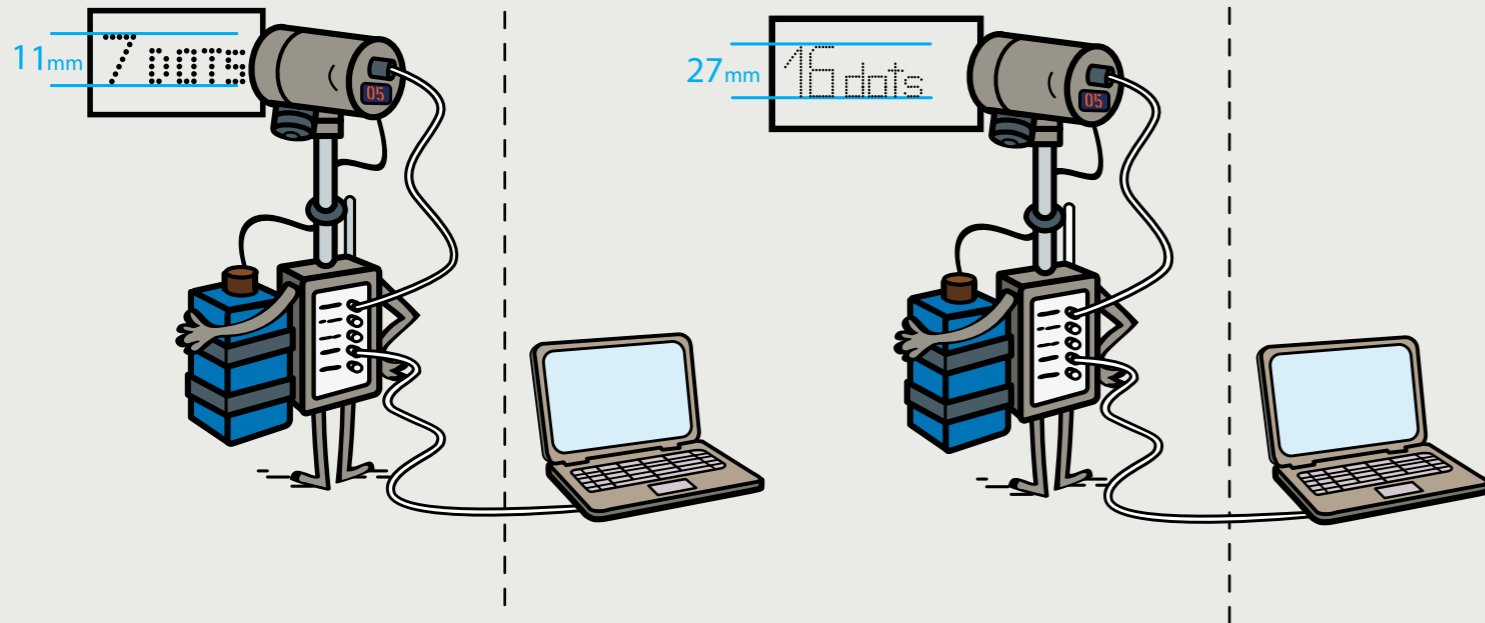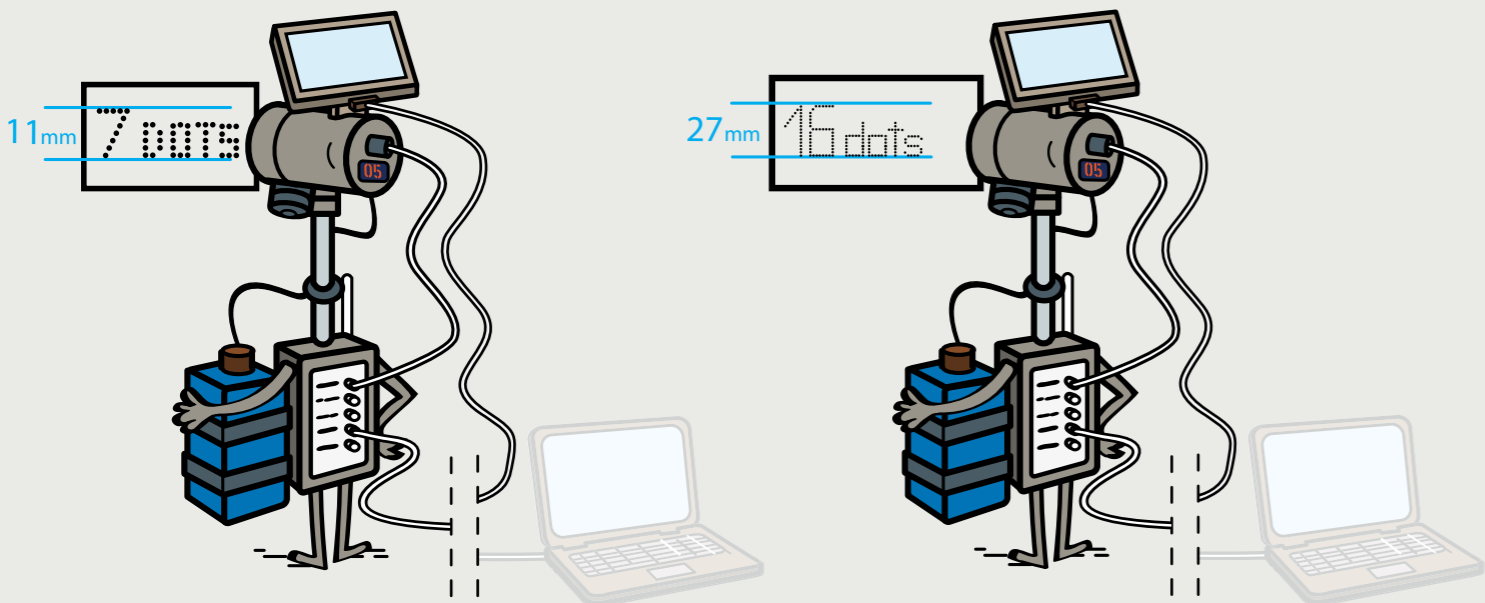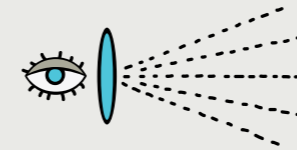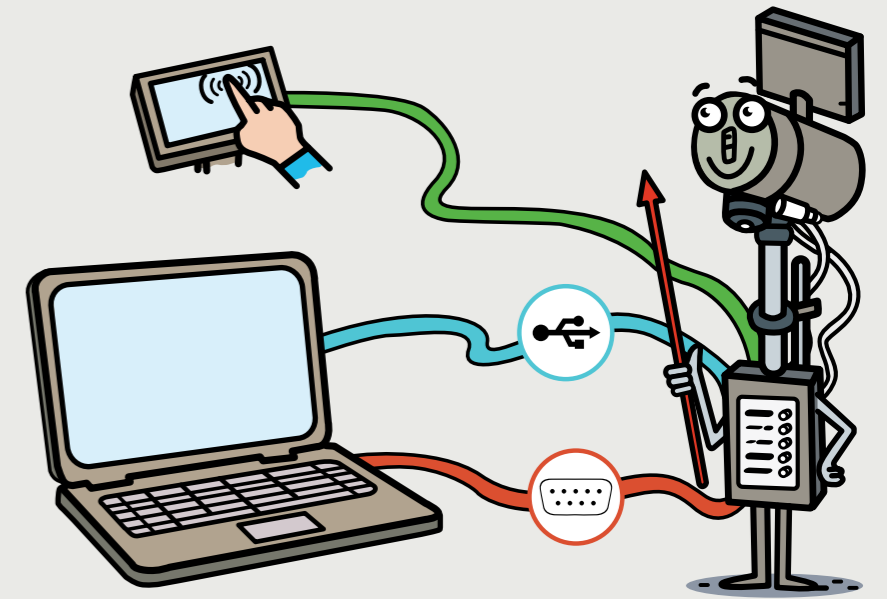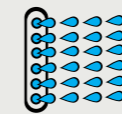
Technology
advancing

Interface can handle either
USB connection to PC
or touchscreen terminal
or Bluetooth connection to PC
or RS-232 for data input.

One product sensor included (photocell)

Purge function

Slant head technology – prints from 5-27 mm height

Ruby nozzle design for low ink consumption

Best in class cost per code
(down to 0,04 µl/dot ≈ 25.000.000 dots/liter
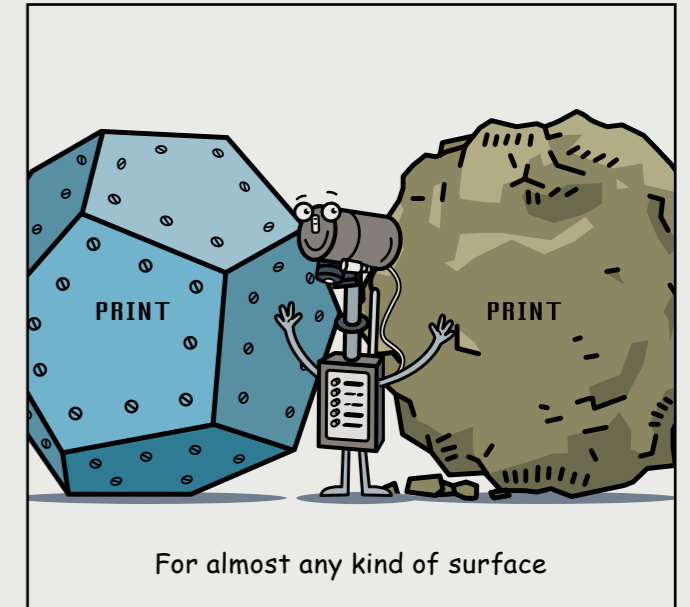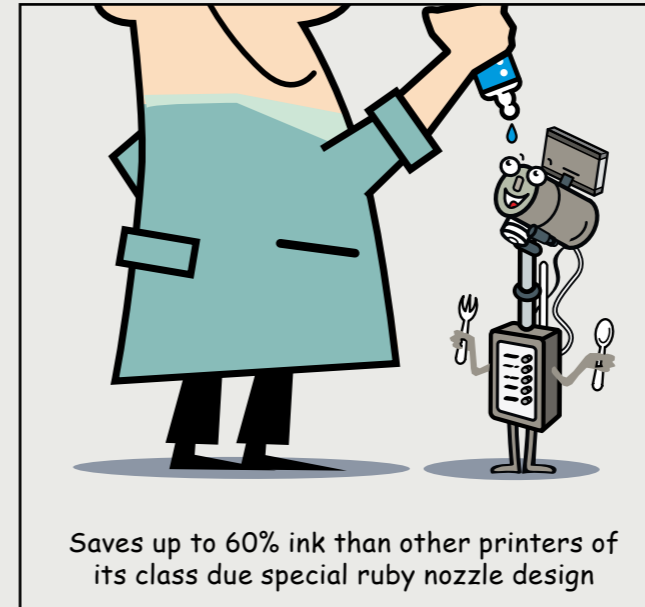≈ 2.000.000 characters @7x5 matrix/1L)

Optional Touch Screen

All in one box – ready to start

Why we love
EBS-230?
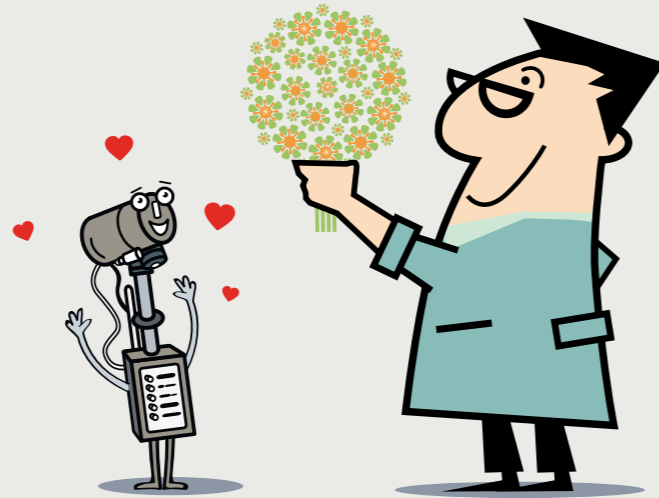
Saves up to 60% ink than other printers of its class due special ruby nozzle design

For almost any kind of surface
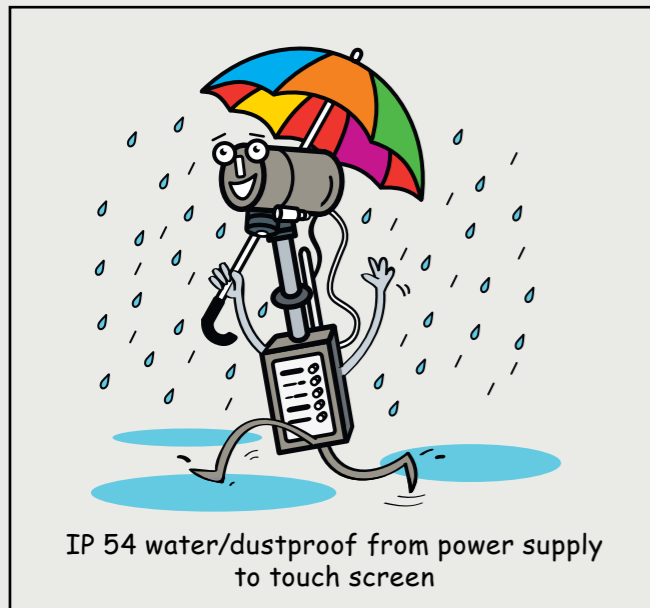
IP 54 water/dustproof from power supply to touch screen

Detachable design for printing downside up or upside down

RS-232 realtime data and Windows based editor

Stainless steel design

Logo editor on touch screen

30 message memory – each up to 1300 characters long

Up to 2 years warranty

1L tank for maximum print

Shipped.

Standard package.

- → Transport box
- → Printer EBS-230
- → Spray bottle (empty)
- → Power supply with junction box
- → CD-ROM with user software and manual
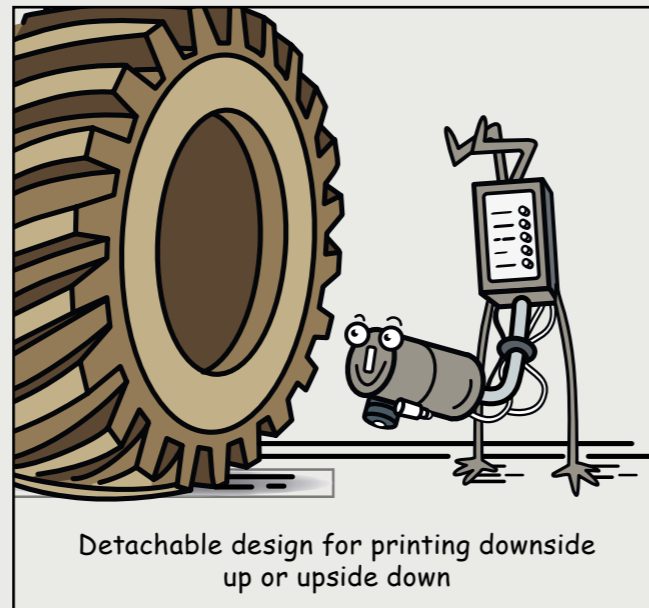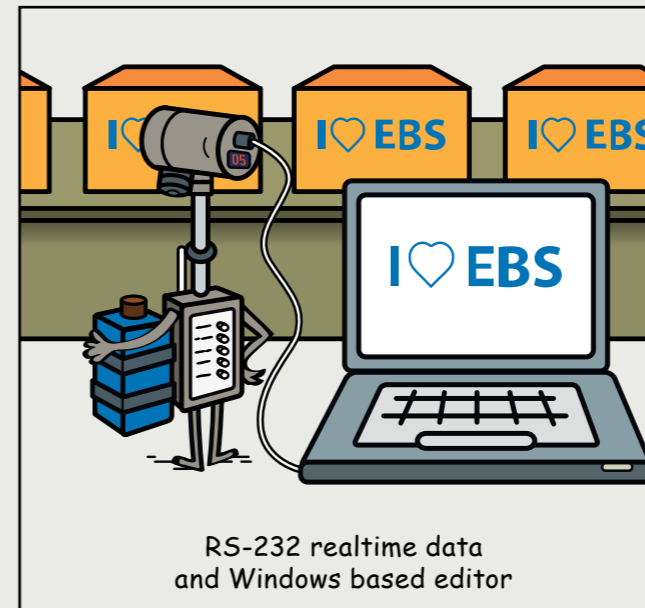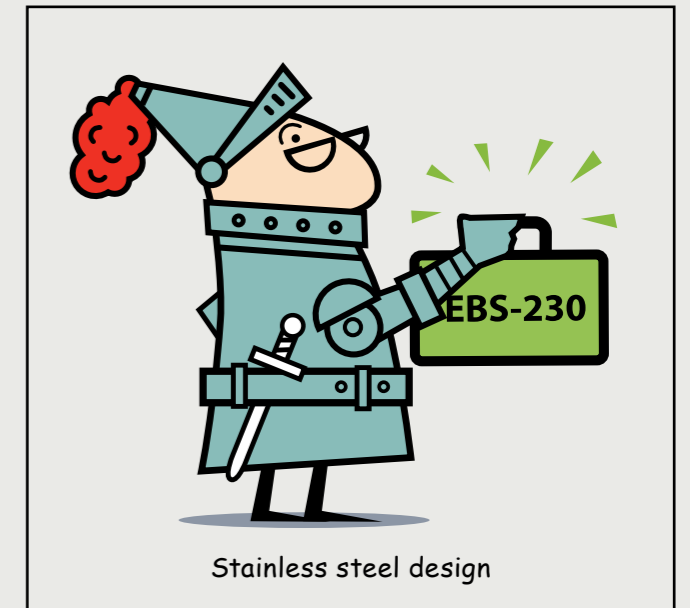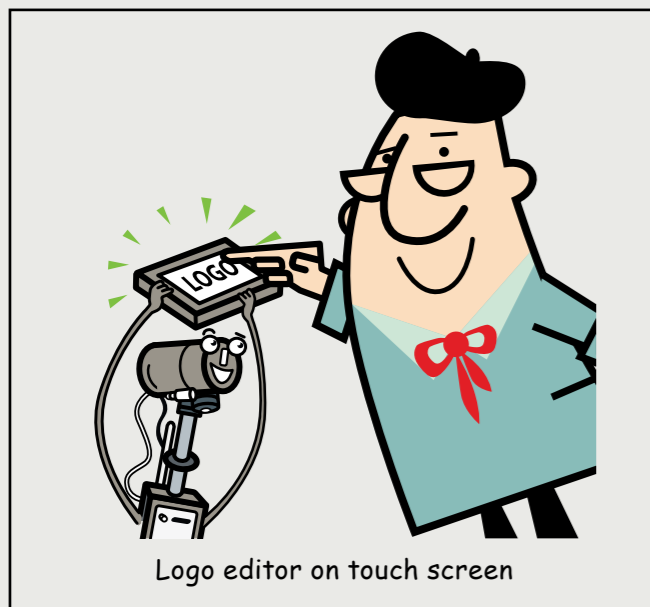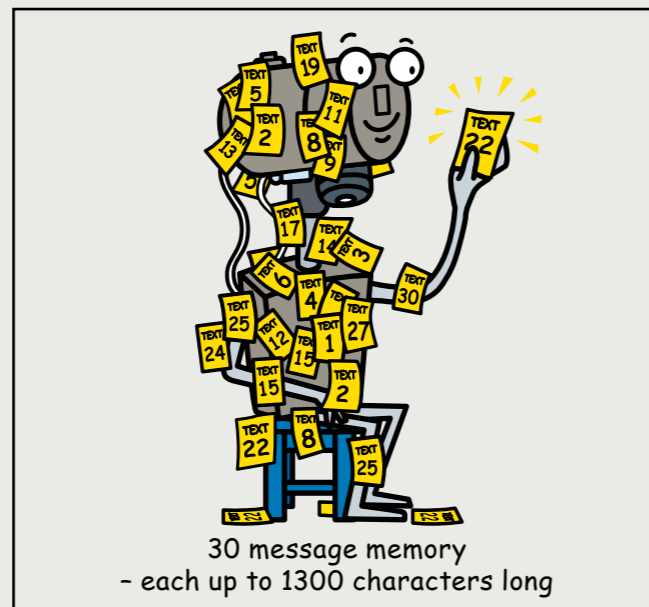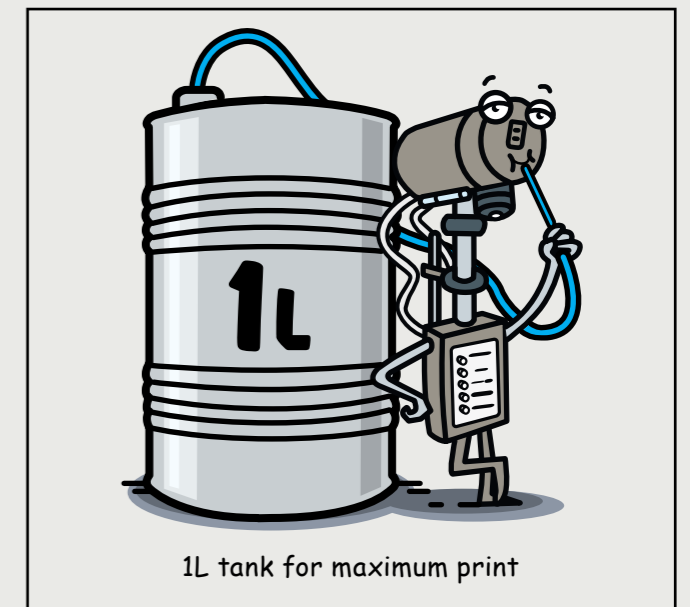- → Ink system for 1L bottle
- → Simple stand for conveyer
- → USB cable (PC - EBS-230)
- → Optional: touchscreen terminal

For every purpose the right ink[1].

Different surfaces, different areas of operation, different inks:
printing on concrete requiers e.g. different ink as foodgrade ink. Dark backgrounds require lighter pigmented inks, particularly smooth surfaces require especially quick-drying, adhesive colour.

[1] The relationship between ink-jet inks and substrates are subject to the laws of chemistry and physics – and naturally has limits. Please contact us for information regarding your specific application.

Inked.

Water · Ethanol · Acetone · MEK

ETHANOL BLUE
Universal ink for almost all surfaces, good contrast on light backgrounds/substrates

ACETONE BLACK
Universal ink for almost all surfaces, quick-drying, good contrast on light backgrounds/substrates

ETHANOL BROWN
Foodgrade ink for printing directly onto foodstuffs or printing of food packaging

ETHANOL BLACK
Universal ink for almost all surfaces, heat-proof up to 250° for up to 40 sec.

WATER RED
for porous surfaces, slight migration (e.g. for wood marking)

ETHANOL RED
Foodgrade ink for printing on food packaging, good contrast

MEK YELLOW, PIGMENTED
Universal ink for almost all surfaces, quick-drying, good contrast on dark backgrounds/substrates

ACETONE WHITE, PIGMENTED
Universal ink for smooth surfaces, quick-drying, good contrast on dark backgrounds/substrates

MEK BLUE, PIGMENTED
Universal ink for almost all surfaces, quick-drying, good contrast on dark backgrounds/substrates

... more inks upon request

Specified.
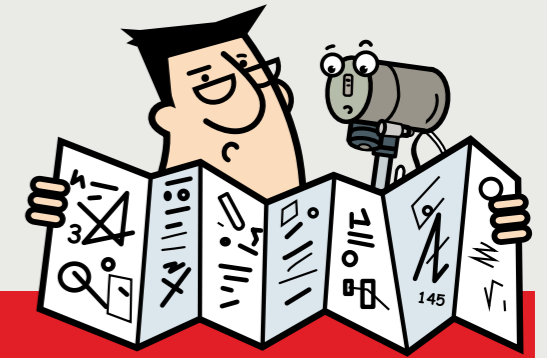
Facts

Print height	6 - 11 mm with 7-nozzle printhead (single line printout) 6 - 27 mm with 16-nozzle printhead (single and dual line printout)
Nozzle diameter	150 µm
Printhead positioning	any
Memory	30 messages with 1.300 characters each
Print speed	600 vertical rows/sec. up to appox. 60 m/min.
Special characters	national and diacritical characters, graphical info-, warning- and transport characters
Special registers	date, time, expiry date, incremental and decremental counters, universal counter
Printer programming	software via USB (compatible with Windows® XP/Vista/7/8) or via terminal "T210"
Ink consumption	approx. 2.000.000 characters/Liter (with 7 x 5 matrix, @ 0,35 bar)
Emulation of Windows® Fonts	possible, reduced to vertical resolution of printhead
Speed encoder	internal impulse generator or optional external shaft encoder
RS-232	as an alternativ to USB - PC connection, an ASCII data stream can be sent into a pre-defined text space
Inks	based on water, ethanol, acetone or MEK in different colors - one ink, one PicAS
Scope of delivery	Printer, junction box with power supply, USB cable for PC to EBS-230, 1 L ink system, print-head holder, software and manual on CD
Power supply	100 - 240V spray water protected IP 54
Weight	< 1.600 g without bottle

Models

	EBS-230/7	EBS-230/7 T	EBS-230/16	EBS-230/16 T
Printmatrix up to 7 dots vertical	●	●		
16 dots vertical			●	●
Print height	5 x 5, 7 x 5 matrix or chimney font		5 x 5, 7 x 5, 12 x 7, 16 x 10 matrix or chimney font	
USB cable PC to EBS-230	●	●	●	●
Removable touchscreen terminal "T210"	○	●	○	●

● standard   ○ optional

EBS | Innovation since 1977

Plant Nümbrecht - Germany

EBS | Competence and innovation for almost 40 years.

Since 1977, EBS GmbH Germany has been a leader in industrial coding equipment. Our early development and pioneering innovations in ink-jet technology are still being used world wide.

Today EBS has become an international producer and operates a family owned multi-national business. We run branch offices and plants in Europe, USA and China and co-operate with numerous partner companies world wide.

More than 220 people develop and produce the range of EBS products in Germany and Poland. We continue to set global standards for quality, innovation, technological leadership and service.

Our high performance products can be found in more than 60 countries, with more than 160 distributors, dealers and OEM's.

We would like to welcome you as our new customer.

www.ebs-inkjet.de

Your Dealer

Subject to technical changes.

PRODUCTION & DEVELOPMENT

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