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betaJET

HRX GS05 / GS10

Coding At Its Next Level

- ✓ High resolution Piezo-DOD-inkjet systems
- ✓ For direct printing and direct marking
- ✓ Sustainable & cost-effective
- ✓ Print height: max. 72 mm; resolution up to 360 x 1440 dpi
- ✓ Greyscale printing



we're on it.

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High resolution marking and coding

- ✓ Cost-effective
- ✓ Efficient work
- ✓ Sustainable
- ✓ Low maintenance effort
- ✓ Easy integration
- ✓ High-speed up to 250 m/min
- ✓ Ready for GS1 and SmartID barcodes
- ✓ EPAL-certified
- ✓ For absorbent and non-absorbent surfaces
- ✓ Versatile use for: primary, secondary and tertiary packaging

Applications for high resolution DOD-inkjets

Material	Example	Ink type
Absorbent material	Corrugated cardboard, uncoated cardboard, paper, labels, wood, building materials, plasterboard, etc.	Oil-based (mineral oil-free)
Non-absorbent material	Foil, coated cardboard, painted surfaces, tubes, polystyrene, plastics, foams, sponges, veneers, blisters, etc.	UV-curing (low migration)

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Application examples

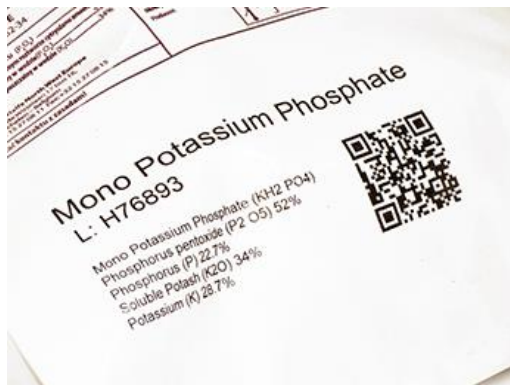
betaJET HRX



Uncoated cardboard



Foam



Foil



Cork



Belt



Plasterboard

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Technical data

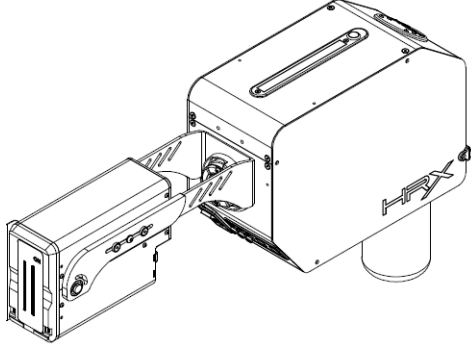
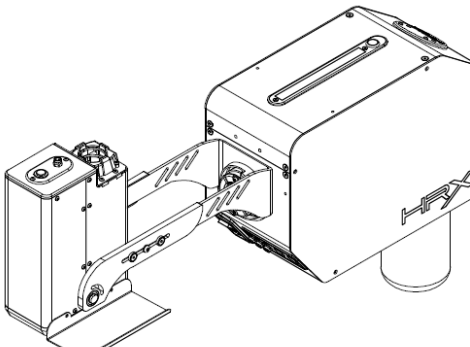
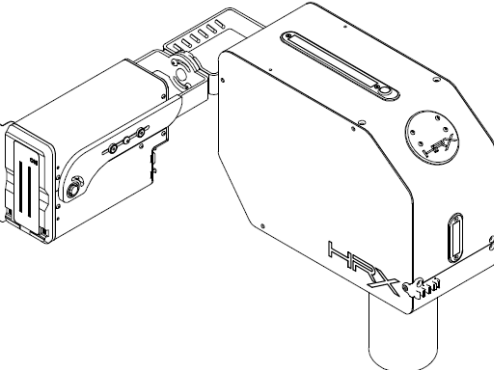
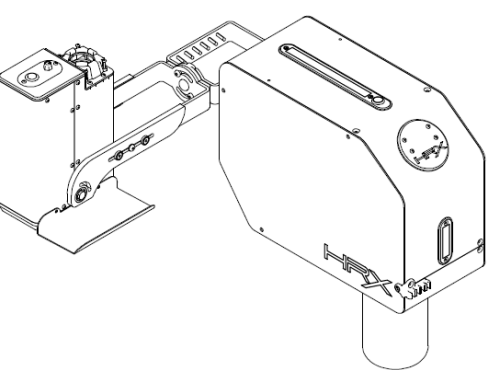
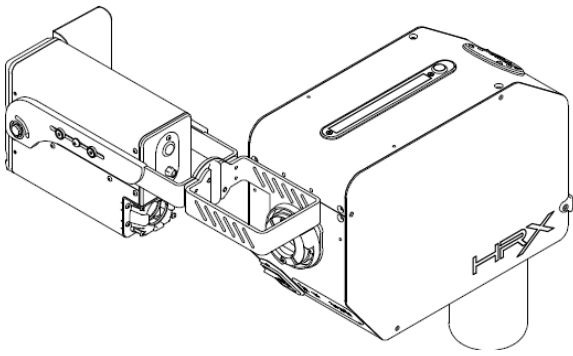
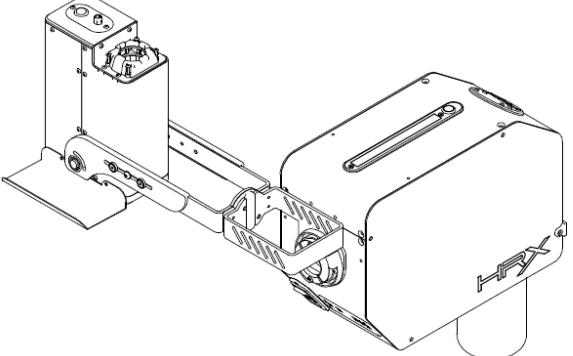
Printer features	
Printing height	Up to 72 mm (2,8")
Printing speed	Up to 250 m/min
Printing cadence	Up to 30 prints/s.
Resolution vertical	GS10: 90 - 360 dpi / GS05: 90 – 180 dpi
Resolution horizontal	Up to 1440 dpi
Message length	Up to 8 m
Barcodes	DUN14, EAN 8, EAN13, EAN 128, CODE 19, CODE 128, 2/5 INDUSTRIAL, 2/5 INTERLEAVED, DATAMATRIX, QR, GS1, etc.
Label element	Fixe or variable text, variable, logo, image, date, time, counter, etc.
Print head position	Side, top or tilt from 0° to 90°
Options and accessories	UVLED curing system, external beacon, encoder, 7" HMI, 10" HMI
HMI display features	
Removable display / Operation	7"- Colour touch screen: for 1 - 2 print heads 10"- Colour touch screen: for 1 - 4 print heads
Communication	USB 2.0, Ethernet (TCP/IP), communication board for E/A (12)
Label design software	UBS Designer Lite, UBS Designer Pro, NiceLabel, Codesoft, Windows Driver, ZPL emulator

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General	
Environment	Relative humidity: 5% - 85%, non-condensing, temperature range: +5°C - +40°C
Power supply	100 – 240 VAC (50/60 Hz), 45 W
Protection class	IP20
Dimension and weight	Printer: 10 kg; 712 x 154 x 250 mm, stand: 20 kg
Accessories / Options	Bracket, stand, angle connection, photocell, touch display, external beacon, encoder, software, LED-UV curing system
Miscellaneous	Automatic bottle identification, ink level display, integrated photocells, integrated status display, easy integration, low maintenance effort, bottle change during operation

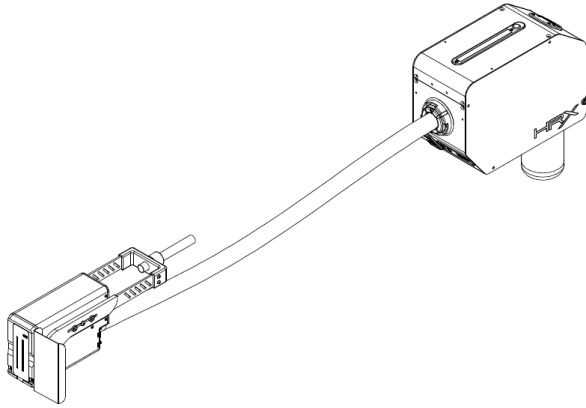
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Versions

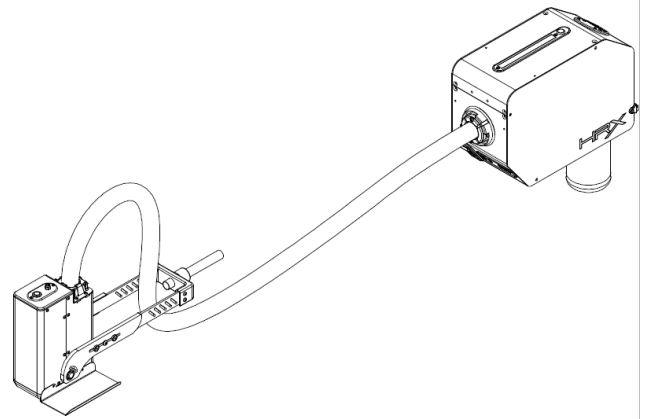
<p>HRX GS10 printer standard (1041.2648) HRX GS10 01</p>	<p>HRX GS10 printer standard (1041.248) HRX GS10 01</p>
	
<p>HRX GS10 printer 90° left (1041.2649) HRX GS10 02</p>	<p>HRX GS10 printer 90° left (1041.2649) HRX GS10 02</p>
	
<p>HRX GS10 printer 90° right (1041.2649) HRX GS10 03</p>	<p>HRX GS10 printer 90° right (1041.2649) HRX GS10 03</p>
	

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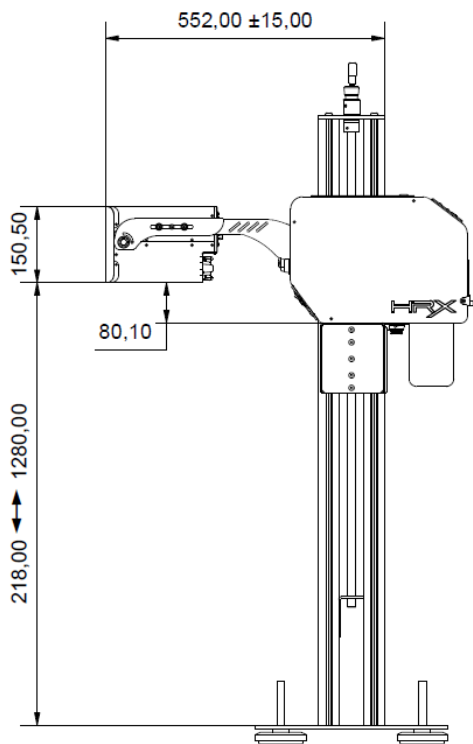
HRX GS10 printer, (1041.2651)
extended hose 1000 mm HRX GS10 04



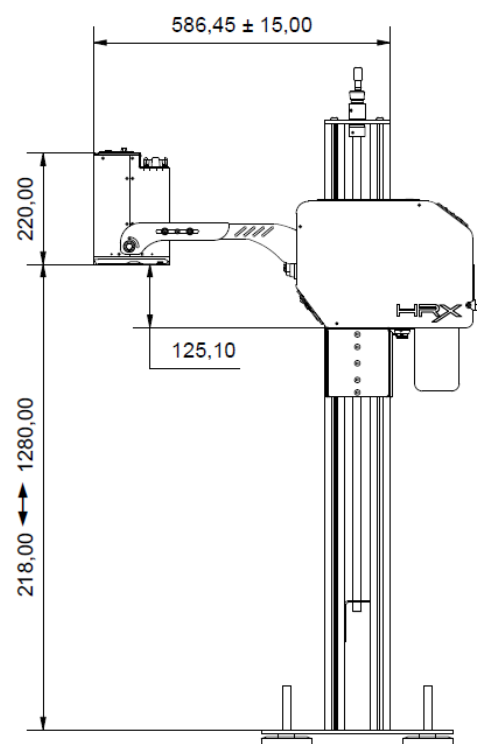
HRX GS10 printer, (1041.2651)
extended hose 1000 mm HRX GS10 04



HRX GS 10 Printing from side, with stand
 (1041.2648 + 1041.2653 (1200 mm))
 HRX GS10 01 01 + XS 01 00



HRX GS 10 Printing from top, with stand
 (1041.2648 + 1041.2653 (1200 mm))
 HRX GS10 01 01 + XS 01 00



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Accessories and Consumables

1041.2653	betaJET MRX/HRX stand for 1 printer, 1200 mm
1041.2655	betaJET MRX/HRX stand for 1 printer, 1500 mm
1041.2658	betaJET MRX/HRX stand for 2 printers, 1200 mm
1041.2659	betaJET MRX/HRX stand for 2 printers, 1500 mm
1041.2661	betaJET touch display 7", for 1 - 2 printers
1041.2662	betaJET touch display 10", for 1 - 4 printers
1041.2663	MRX/HRX externer encoder wheel groove
1041.2664	MRX/HRX externer encoder wheel O-Ring
1041.2665	Standard PHD wipes 220x220 mm, 100 pcs.
1041.2667	Standard PHD wipes 220x220 mm, 25 pcs.
1041.2668	MRX/HRX external beacon
1041.2670	MRX/HRX external power supply for 10" HMI Touch
1041.2671	Halterung für UVLED 7225 (side position)
1041.2672	Halterung für UVLED 7225 (side position OR top position)

Software:

1041.2673	UBS DESIGNER PRO (including dongle)
1041.2674	UBS LABMAN 4.0 software
1041.2675	UBS LABMAN 4.0 license / equipment
1041.2676	CodeSoft™ & NiceLabel™

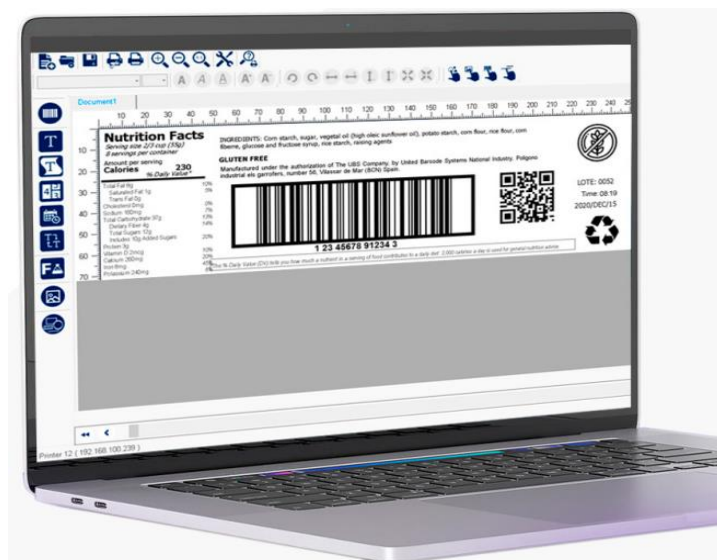
Consumables:

1041.2630	MRX/HRX ink black, oil-based, 1000 ml bottle
1041.3110	MRX/HRX ink red, oil-based, 1000 ml bottle
1041.2717	MRX/HRX ink magenta, oil-based, 1000 ml bottle
1041.2956	MRX/HRX ink yellow, oil-based, 1000 ml bottle
1041.2718	MRX/HRX ink green, oil-based, 1000 ml bottle
1041.2719	MRX/HRX ink cyan, oil-based, 1000 ml bottle
1041.2720	MRX/HRX ink reflex blue, oil-based 1000 ml bottle
1041.2631	MRX/HRX ink black, UV-based, 1000 ml bottle
1041.2721	MRX/HRX ink red, UV-based, 1000 ml bottle
1041.2722	MRX/HRX ink magenta, UV-based, 1000 ml bottle
1041.2723	MRX/HRX ink orange, UV-based, 1000 ml bottle
1041.3112	MRX/HRX ink yellow, UV-based, 1000 ml bottle
1041.2724	MRX/HRX ink green, UV-based, 1000 ml bottle
1041.2725	MRX/HRX ink cyan, UV-based, 1000 ml bottle
1041.2726	MRX/HRX ink reflex blue, UV-based, 1000 ml bottle
1041.2714	MRX/HRX universal cleaner, 1000 ml bottle
1041.2716	MRX/HRX universal cleaner, 1000 ml spray

Label creation

UBS – Designer

- ✓ Multilingual graphics software for creating and editing print labels and texts with WYSIWYG user interface.
- ✓ Barcodes 1D- and 2D (GS1-128, GTIN-13, GTIN-14, QR, GS1 DATAMATRIX and more)
- ✓ Barcodes according to GS1 and SmartID standard
- ✓ Automatic check digit generation
- ✓ Possibility to change font and font size in the barcode in a human-readable way.
- ✓ Bar width adjustment capability to achieve perfect contrast and 100% readability on any absorbent surface.



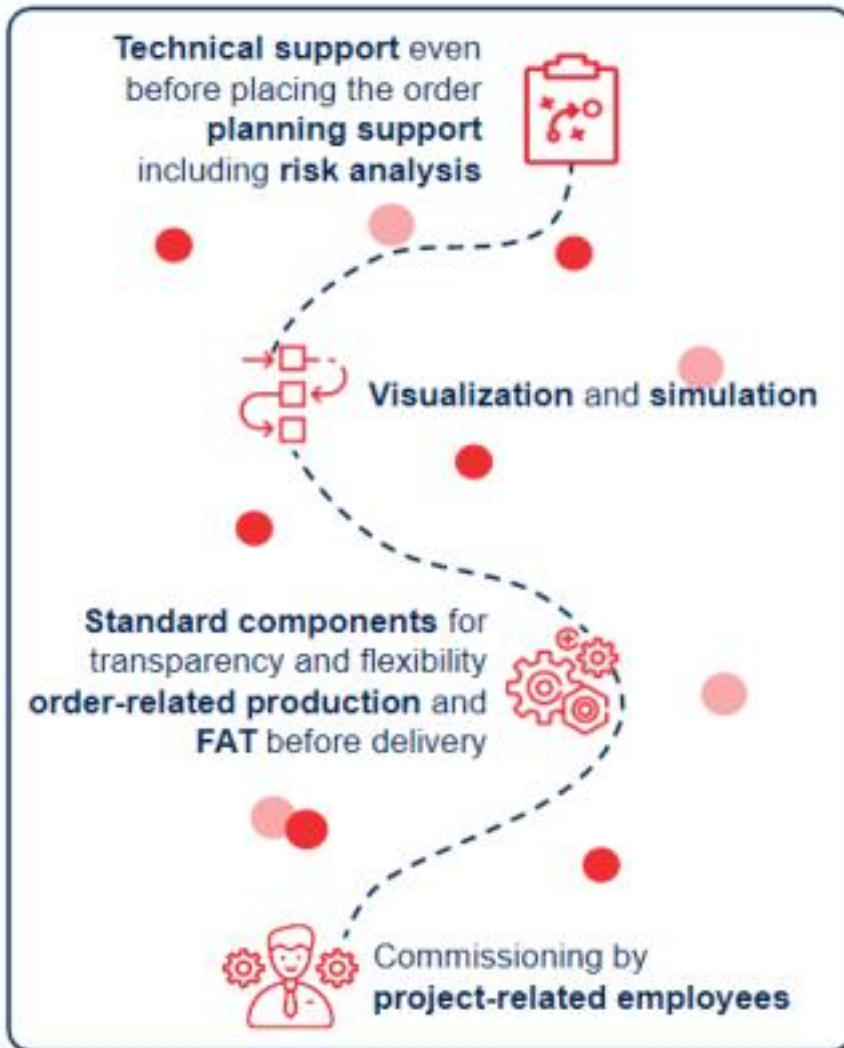
betaJET & NiceLabel

- ✓ Driver available

betaJET & Codesoft

- ✓ Driver available

Automation



Our team from Koenig & Bauer Coding offers you an experienced and technically skilled team with experience in connectivity and automation.

We are able to act as a binding provider of automated overall solutions. We assure you technical support before and after the order including a risk analysis. We visualize and simulate the project.

We are using standard components to make our solutions transparent and flexible. The applications are produced order-related and commissioned by employees with direct relation to the project.

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Quality

ISO certification according to DIN EN ISO 9001-2015.

Made in Europe.

Our quality standards include the process of continuous improvement. Design and technical changes are therefore subject to change without prior notice.

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