



## ACCESSORIES – CIJ PRINTER

Diagraph accessories for Hitachi continuous inkjet

**Printer operation · Printer configuration · Printer monitoring**



simple



competent



reliable

# INSTALLATION EXAMPLE

Professional installation system for fast and easy installation of Hitachi CIJ printers

Article	Article number
1 Stainless steel trolley	1.0000.00010
2 Cable holder	1.0000.00021
3 LED column	102027
4 Optical sensor with holder	1.0000.00044
Aluminum profile, linear meter, 40 x 40 mm	1.0035.40000
End cap for aluminum profile, 40 x 40 mm	1.0023.40000
Angle bracket for aluminum profile, 40 x 40 mm	1.0024.40000
Slot nut for aluminum profile, 40 x 40 mm	1.0033.40000



# SINGLE ARTICLES – INSTALLATION

All Diagraph installation articles for Hitachi continuous inkjet printers can be combined with each other.

Article	Description / Article number	Image
Stainless steel trolley	Printer trolley for inkjet printer, 4 transport castors (2 lockable), with mounting rail for fixing a Hitachi printer. Material: Stainless steel Dimensions: 504 x 504 x 844 mm (L x W x H)  I.0000.00010	
Printhead clamp	For fast securing and release of the printhead.  103247	
Head mount for square profile	Black plastic rail for fixing to printhead, L piece for fixing to aluminum profile. Incl. wing screw and slot nut.  I.0000.00045	
Aluminum profile, 1 linear meter, 40 x 40 mm	1.0035.40000	
End cap for aluminum profile 40 x 40 mm	1.0023.40000	
Angle bracket for aluminum profile 40 x 40 mm	1.0024.40000	
Slot nut for aluminum profile 40 x 40 mm	1.0033.40000	

Article	Description / Article number	Image
Stainless steel pipe 0.5 m	103264	
Stainless steel pipe 1.0 m	103182	
Cross clamp Ø18 mm	103241	
Flange clamp Ø18 mm	103235	
Base clamp Ø18 mm	103236	
Head mount for round material	0000.00105	 
Cable holder 45 mm width	0000.00021	
LED signal column with sound	LED signal column (3-color) with sound, red = error message, orange = warning message, green = ready, length = 29 cm, IP65 120029	
LED signal column without sound	LED signal column (3-color), red = error message, orange = warning message, green = ready, length = 29 cm, IP65 120027	
Cleaning station	To hang the printhead (incl. waste bottle) 120022	

# SINGLE ARTICLES – CONNECTION

For all solutions, Diagraph supplies peripheral articles for connection of your continuous inkjet system.

Article	Description / Article number	Image
Optical sensor with holder	<p>Large scan range, outstanding suppression of ambient light, High switch frequency, adjustable switching distance. 12 mm diameter, scan range 80 mm, supply voltage 10 to 30 V DC, incl. four-wire connection cable and holder</p> <p>I.0000.00044</p>	 A coiled black cable with a connector on one end and a small white rectangular sensor unit on the other, shown next to its mounting holder.
All-metal switch with holder	<p>Increased switching distance, low mounting distance, innovative ASIC circuit technology. 12 mm diameter, scan range 6 mm, supply voltage 10 to 30 V DC, incl. four-wire connection cable and holder</p> <p>I.0000.00091</p>	 A coiled black cable with a connector on one end and a small white rectangular sensor unit on the other, shown next to its mounting holder.
Retro-reflex sensor with holder	<p>Very large scan range, outstanding suppression of ambient light, high switch frequency, adjustable switching distance. 12 mm diameter, scan range 2500 mm, supply voltage 10 to 30 V DC, incl. four-wire connection cable, reflectors and holder</p> <p>I.0000.00076</p>	 A coiled black cable with a connector on one end and a small white rectangular sensor unit on the other, shown next to its mounting holder and a circular white reflector.
Motion sensor PPR 5000	<p>For consistent print image length with varying conveyor speeds. Motion sensor with 5000 impulses per revolution (rotary encoder resolution), incl. holder, wheel and connection cable</p> <p>I.0100.00030</p>	 A coiled white cable with a connector on one end and a white rotary encoder sensor unit on the other, shown next to its mounting holder and a small white wheel.

Article	Description/article number	Image
Motion sensor PPR 15000	<p>For consistent print image length with varying conveyor speeds.            Motion sensor with 15000 impulses per revolution (rotary encoder resolution), incl. holder, wheel and connection cable</p> <p>I.0400.00030</p>	
Motion sensor PPR 25000	<p>For consistent print image length with varying conveyor speeds.            Motion sensor with 25000 impulses per revolution (rotary encoder resolution), incl. holder, wheel and connection cable</p> <p>I.0000.00126</p>	
Ethernet box	<p>Enables communication in network and assignment of IP address.</p> <p>I.0000.00127</p>	
Relay board	<p>Zero-voltage board for signal exchange (ready, warning, error) between printer and machine.</p> <p>120121</p>	
Function board SOP extension	<p>For connection of external signals (e.g external meter)</p> <p>120120</p>	
Sensor holder	103246	

# CONNECTIVITY

I/Os, interfaces, protocols and software

	UX series	RX2 series
<b>I/Os</b>		
Print signal	✓	✓
Warning	✓	✓
Error	✓	✓
Ready	✓	✓
Prints	✓	✓
Pause print	✓	✓
Stop	✓	✓
Reset	✓	✓
<b>Interface</b>		
Ethernet (Modbus TCP/IP)	✓	optional
Ethernet (tunnel communication)	optional	optional
RS232	✓	✓
<b>Protocol</b>		
Modbus TCP/IP	✓	optional
EthernetIP	✓	-
OPC-UA	✓	-
<b>Label/printer management software</b>		
NiceLabel	compatible	compatible

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Do you want to lower manufacturing costs and increase flexibility?

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## SAFEGUARD YOUR COMPETITIVE ADVANTAGE

- ✓ Integration of existing printer devices into your network database connection
- ✓ Automated print image control
- ✓ Configuration of customized user interfaces
- ✓ Automated label management and label approval tool, print image control and data processing
- ✓ Cloud Service
- ✓ Customized printer control

**HITACHI**

**NiceLabel**

Do more. Faster. With less.