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150 YEARS



COLARIS ink performance tester

DIGITAL PRINTING SYSTEMS

 04/2024

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highlights

- ink development
- ink evaluation
- printhead performance test
- printhead flow rate measuring



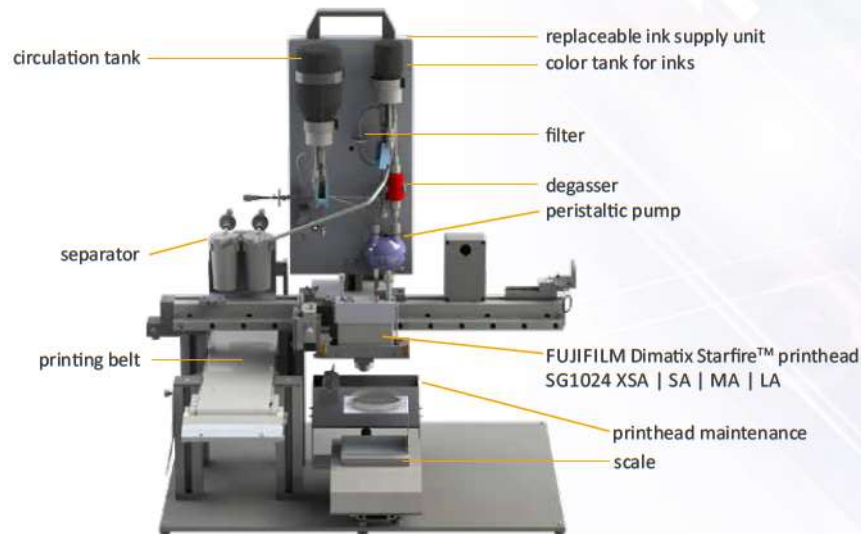
COLARIS ink performance tester

The COLARIS ink performance tester is designed for development purposes in combination with the COLARIS inkjet technology.

The performance tester is the ideal tool for the development or evaluation of inks and other jetting fluids. With the replaceable ink supply unit, you can change between the different ink types or fluids in a few minutes.

ADVANTAGES, CHARACTERISTICS, OPTIONS

- compact design, system-space-saving and flexible
- all-in-one solution: includes a computer and software for easy setting of all relevant printhead parameters
- ink supply unit for easy change includes: vacuum system, ink circulation, ink degasser, ink filtration, ink control
- printhead flow rate test
- reference print out of the printhead
- can also be used with a „drop watcher“



SCOPE OF SUPPLY



COLARIS INK PERFORMANCE TESTSTATION SINGLE PRINthead

COLARIS ink performance tester for installation of 1 Fuji Starfire SG1024 head, incl. table, electrical cabinet with the complete control system, printing blanket for test prints, ink supply unit, scale, computer, software module, accessory set (1123990), 1x printhead electronics (1124115 head interface board) (excl. printheads)

OPTION: DOUBLE PRINthead

COLARIS head performance tester for installation of 2 Fuji Starfire SG1024 heads, including table, electrical cabinet, control system, printing belt for test prints, ink supply unit, scale, computer and HPT software module, accessory set (1123990) 2x printhead electronics (1124115 head interface board) (excl. printheads)



TECHNICAL DATA

printhead model:
FUJIFILM Dimatix Starfire™
nozzle versions: XSA, SA, MA, LA

purpose of COLARIS-IPT:
ink development, ink & print-
heads performance testing

customers:
ink manufacturers,
textile and carpet printers

voltage:
220 - 240 Volt or 110 - 130 Volt
50/60 Hz

power consumption:
~ 1 kW

air supply:
6 bar ± 1 bar

printing belt speed:
0.5m/sec

operating environment:
24°C ± 4°C; 40 - 60% humidity
(not condensing); dust-free and
well ventilated

size of table (l x w x h):
1950 x 800 x 1545 mm / 160 kg

computer:
PC I7-6700K, 16 GB RAM,
128 GB SSD, LAN: Intel Gigabit
CT Desktop Adapter Windows
10 Pro

software:
COLARIS performance test V1

function:
testprint, spitting, flow, testing
of waveforms, ...

ADD ONS consumables and spare parts

ITEM: 1122980
QTY: 1 unit

COLARIS ink supply unit incl. 500 ml tank, 100 ml tank, degasser, peristaltic pump and 5 µ filter (each one)



ITEM: 1119740
QTY: 1 unit

filtration unit complete



ITEM: 1120694
QTY: 1 set

tank 500 ml (5 tanks)



ITEM: 1120697
QTY: 1 set

tank 100 ml (5 tanks)



ITEM: 1126265
QTY: 1

degasser superphobic membrane contactor



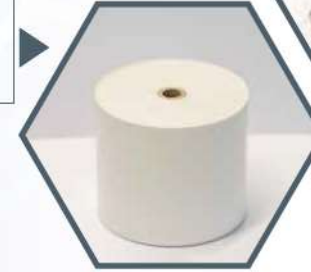
ITEM: 1101438
QTY: 1 box

disk filter 5 µm (50 filters)



ITEM: 1117894
QTY: 1 set

paper roll glossy paper brilliant 200g/m², w=76 mm, 30 m (8 rolls)



ITEM: 1108593
QTY: 1

peristaltic pump WP11-P3/16M2-WI6-BN



ITEM: 1107641
QTY: 1 set

tube with couplings „ready-to-use“ P-3/16-WI6 set incl. grease (5 hose pieces)

FUJIFILM DIAMATIX STARFIRE™

printhead SG1024 XSA
ITEM: 1121059
QTY: 1

printhead SG1024 LA
ITEM: 1099239
QTY: 1

printhead SG1024 MA
ITEM: 1100389
QTY: 1

printhead SG1024 LA
ITEM: 1103411
QTY: 1



COLARIS



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