

**PRINTING**

4 Colors Flexographic Printing Machine

Four-colour flexographic press, 800 mm web, up to 70 m/min printing — double unwind and rewind, automatic tension and web guide.



4 (4+0, 3+1, 2+2)
COLOURS

750 mm
MAX. PRINTING WIDTH

10 – 70 m/min
PRINTING SPEED

220 – 1000 mm
REPEAT LENGTH

A four-colour flexographic press with double unwinder and double rewinder, automatic tension control by magnetic powder brake with fans, automatic web guide and air shafts throughout. The printing cylinders raise and lower pneumatically when the machine stops and starts, protecting the plate and preventing ink marking on the web.

The press handles non-woven fabric, paper, PVC, OPP, BOPP, PE, NY, PET and CPP, making it suitable both for film produced on an ABA line and for bought-in substrates.

MAIN PARAMETERS

Model	QWTL4800
Max. width of material	800 mm
Max. width of printing	750 mm
Material	Non-woven fabric 15–120 g · Paper 17–300 g/m ² · PVC 15–120 µm · OPP 10–100 µm · BOPP 10–100 µm · PE 15–150 µm · NY 15–120 µm · PET 10–100 µm · CPP 15–100 µm
Printing colours	4 colours (4+0, 3+1, 2+2)
Printing repeat length	220 – 1000 mm
Mechanical speed	10 – 90 m/min
Printing speed	10 – 70 m/min (varies with the material printed)
Thickness of plate	1.14 / 1.7 / 2.28 / 2.54 / 2.94 mm resin plate (3.94 mm rubber plate)
Machine weight	3,300 kg
Overall dimensions (L×W×H)	4.5 × 1.8 × 2.8 m
Voltage	380 V, 3 PH, 50 Hz

UNWIND UNIT — DOUBLE UNWIND

Max. length of roller	800 mm
Max. width of printing	750 mm

Max. diameter of unwind	Ø 600 mm
Type of unwind	Automatic tension with magnetic powder brake
Unwinder EPC	1 set
Air shaft	2 pcs
Magnetic powder with fan	2.5 kg × 2 pcs
Axis core diameter	Ø 76 mm

TRACTION UNIT

Constitution of traction	Aluminium roller, chrome-plated roller
Traction zones	2 zones

PRINTING UNIT

Constitution of printing	Metal anilox roller, rubber roller, chrome-plated roller, printing cylinder
Printing cylinder	220 – 1000 mm (one set of 400 mm supplied as standard)
Material of plate	Resin or rubber
Principle of work	Helical gears, belt drive
Adjusting of register	Manual
Overprint precision	± 0.3 mm
Printing cylinder lift at stop and start	Pneumatic, automatic
Metal anilox roller	4 pcs
Corrosion resistant rubber roller	4 pcs

HEATING & DRYING UNIT

Type of heating and drying	Blowing first, then heating
Power of heating	20 kW — large central drying box plus per-station drying

ELECTRICAL PARTS

Main motor	3 kW
Ink-transfer motor	4 pcs
Inverter	3 kW (one inverter equipped with the main motor)

REWIND UNIT — DOUBLE REWIND

Max. width of material	800 mm
Max. diameter of rewind	Ø 600 mm
Type of rewind	Automatic tension with magnetic powder brake
Receiving shaft	Air shaft, 2 pcs
Magnetic powder with fan	5 kg × 2 pcs
Axis core diameter	Ø 76 mm

BRAND SPECIFICATION

Contacteur	CHNT
Breaker	CHNT
Mini relay	OMRON
Temperature controller	OMRON
Inverter	Delta
Main motor	INNOMOTICS
Automatic EPC device	China
Main bearing	NSK

SPARE PARTS SUPPLIED WITH THE MACHINE

Tool box	1 set
1-10# screwdriver	1 pc
Oil gun	1 pc
Inner hexagon spanner	1 set
Switches & buttons	2 pcs
Contacteur	1 pc
Heating tube	2 pcs
Relay	2 pcs
Printing cylinder sleeve	4 pcs
Air faucet	2 pcs
Bearing	2 pcs
Thermocouple	1 pc

KEY FEATURES

- Automatic tension, automatic web guide and four air shafts across unwind and rewind.
- Double unwinder and double rewinder, four magnetic powder brakes with fans.
- Ink tray with ink cover; corrosion resistant rubber roller and metal anilox roller.
- Helical gear drive with colour register adjustment.
- Circulation wind dryer between stations.
- NSK bearings.
- Printing roller base and all gears phosphate treated for corrosion protection.
- Printing cylinders raise and lower pneumatically and automatically when the machine stops and starts.
- Delta inverter and Omron temperature controller.

OPTIONAL

- Additional printing cylinder sizes (220 – 1000 mm)

PHOTOGRAPHS



Automatic tension and web-guide controls



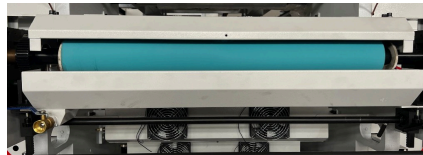
Double unwinder and double rewinder



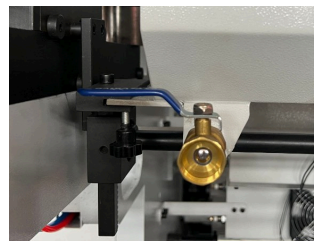
Rubber roller, anilox roller and printing cylinder



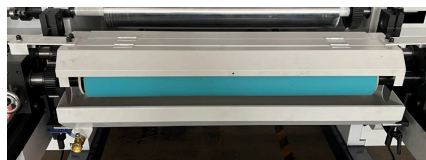
Corrosion resistant rubber roller



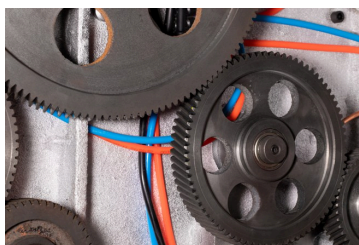
Ink tray and ink cover



Ink tray and ink cover



Ink tray and ink cover



Helical gear drive



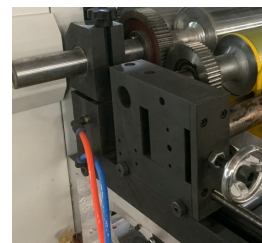
Colour register



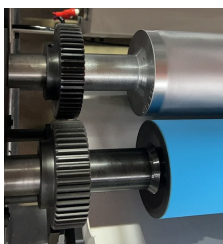
Circulation wind dryer



NSK bearing



Phosphate treated printing roller base



Phosphate treated gears

WARRANTY & AFTER-SALES SERVICE

Every machine carries a warranty of one (1) year from the date of commissioning, covering the repair or replacement of parts in case of manufacturing defects. It does not cover malfunctions resulting from misuse, neglect or external factors such as unstable power, accidents, tampering or force majeure, nor wearing parts consumed in normal operation — sealing knives and cutting blades, Teflon tape, heaters, filters and screens.

Installation, commissioning and operator training are arranged by Miroplastic, and an operating manual is supplied with each machine. Technical support is available by telephone and email during the warranty period and thereafter. Spare parts and consumables are available from Miroplastic.

Photographs are for reference only. Miroplastic reserves the right to improve the specification of its machines without prior notice. Actual output depends on the material, width and thickness run.

MIROPLASTIC S.A.R.L · Plastic machinery, spare parts, masterbatch & additives since 1978

Lebanon · Sid el Bouchrieh · P.O. Box 90746 · T +961 1 688 908 · M +961 3 470 005 · info@miroplastic.com · miroplastic.com