

**WOVEN BAGS**

## Six-Shuttle Suspension Circular Loom

High-speed six-shuttle suspension circular loom for woven bag fabric — folded width 350–850 mm, up to 160 r/min, 2.1–2.5 m/min.

**6**

SHUTTLES

**350–850 mm**

FOLDED WIDTH

**up to 160 r/min**

SPEED

**2.1–2.5 m/min**

OUTPUT

A high-speed six-shuttle suspension circular loom that weaves plastic flat yarn into woven bag fabric with a folded width of 350 to 850 mm. It is driven by a direct-drive motor without an encoder and is built for high speed, low energy consumption and low noise.

Speed and weft density are set on a touch screen without stopping the machine, and a wireless weft detection system stops it when a weft breaks or runs out. The suspension device keeps the shuttle wheel from pressing and damaging the flat yarn, which keeps the fabric transparent, bright, strong and even.

The loom can be built with a hollow shaft, to produce not only ordinary woven bags but also woven bags with an inserted liner.

### MAIN TECHNICAL PARAMETERS

|                                           |               |
|-------------------------------------------|---------------|
| Number of shuttles                        | 6             |
| Folded width of weaving                   | 350–850 mm    |
| Max. number of warp                       | 648 / 720     |
| Max. speed of revolution                  | 160 r/min     |
| Production capacity (40 warps per 100 mm) | 2.1–2.5 m/min |
| Main motor                                | 3 kW          |
| Gross motor power                         | 3.5 kW        |
| Approx. weight                            | 2,000 kg      |

### KEY FEATURES

- Touch screen for centralised operation and display: fault area, rotational speed, output, shift and metre count.
- Bluetooth wireless weft detection stops the machine on a weft break or weft end, avoiding low density.
- Speed and weft density adjusted without stopping the machine.

- Automatic synchronous winding motor on the rewinder: it does not wear the fabric and prevents defects when the weft yarn is changed.
- Swing lever with dust-proof device, for more than twice the life when weaving recycled or filled material.
- Suspension device for a longer shuttle wheel life; suspension roller, shuttle wheel and swing lever roller last more than one year.
- The flat yarn is not pressed or damaged by the shuttle wheel.
- Imported bearings from the UK and Japan on the main shaft, swing lever, suspension roller, shuttle wheel and heddle belt roller.
- Production data recorded automatically and kept permanently.
- Can be connected to an office computer, where the data is read or printed directly.

## OPTIONAL

---

- Hollow shaft, for woven bags with an inserted liner

## 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](mailto:info@miroplastic.com) · [miroplastic.com](http://miroplastic.com)