

OPTIMA 3D LTD 
COMPOSITE WEAVING SOLUTIONS

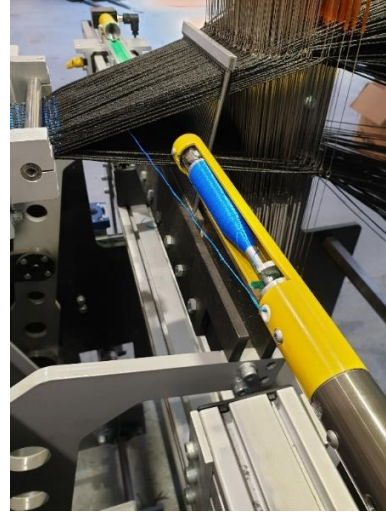
OPTIMA SERIES "M" LOOM

The **Series M** is a 2D Shuttle loom which can be equipped with either Dobby or Jacquard shedding functions. The primary application is for weaving fine count delicate yarns with fabric widths from 1cm to 10cm. This machine is suitable for producing seamless tubular fabrics, used for surgical implants and other bio-medical textile applications. Optima's range of looms all deploy cutting edge drive & control technology offering excellent versatility via Optima's Digital Platform. The Digital Platform is accessed via the onboard touchscreen where all machine and pattern settings are performed.



RIGID GUIDED SHUTTLE

The key feature of the **Series M** machine is the Rigid Guided Shuttle capsule. Without the vertical positioning feature of the Series S, this machine has a fixed shuttle insertion point. Both the Reed & Shuttle drive are achieved via a Synchronous cam drive. Combined with a much shorter shuttle travel, this setup results in a higher maximum weaving speed than the Series S machine.



TECHNICAL SPECIFICATIONS

Shedding Function: via Dobby or Jacquard.

Reed Function: Oblique Reed motion via synchronous cam drive.

Weft Insertion: Rigid Guided Shuttle via synchronous cam drive.

Fabric Take Up: Electronic drive & control of either Surface Roller or Linear Table.

Warp Delivery: Electronic drive & control of single or multiple warp beam, or Creel with optional electronic single or multiple warp delivery roller system externally mounted.

Optima offer a custom build service which is based on variants and options from the standard specifications listed above. Optima can also supply various ancillary equipment resulting in a complete **Turnkey** package.

For further information please contact: sales@optima3d.co.uk where we will be happy to discuss your individual requirements. www.optima3d.co.uk