

SPUN YARNS

# HAND OPERATED SPLICERS FOR KNOTFREE YARNS



Mesdan, a recognised leader in yarn joining since 1952, are able to achieve knotfree joining at almost every stage of textile processing by means of a variety of splicing technologies, such as JOINTAIR, AQUASPLICER, HOT JOINTAIR and MOISTAIR. Practical and convenient solutions by using the A.T.S. (Air Track Supply) system are available for all kinds of machines or creels where yarn joining is necessary.

### **JOINTAIR, AQUASPLICER, HOT JOINTAIR AND MOISTAIR FITTED ON AUTOMATIC WINDERS.**

Mesdan yarn splicers, featured as standard equipment by several automatic winders manufacturers, are also supplied directly to the end user for RETROFITTING on existing winders, to replace old models of splicers and optimise yarn joining quality. Transformation kits are available for various automatic winders.

### **JOINTAIR, AQUASPLICER, HOT JOINTAIR AND MOISTAIR FOR ATS SYSTEMS**

for CONVENTIONAL WINDERS - ASSEMBLY WINDERS - TWISTING MACHINES - REELING MACHINES - HANK TO CONE WINDERS - DRAW TEXTURISING MACHINES - EMBROIDERY MACHINES - CREELS, etc.

For these types of installation, Mesdan recommend the use of its hand operated splicers in combination with the exclusive ATS system.

The ATS system is designed to be fitted on all kinds of textile machinery where yarn joining is necessary, thus producing a number of advantages:

#### **PRODUCTIVITY**

The operator can position the splicer in the optimum working position, and has the great advantage of working with both hands free.

#### **SPLICE CONSISTENCY**

The optimised air supply improves the splice reliability and the overall splicing results.

#### **DURABILITY**

Using a rail mounted unit eliminates the damage caused by falling, etc., and results in a substantial increase of the working life and in a reduction of maintenance costs.

#### **HAND OPERATED JOINTAIR FOR HANK-TO-CONE WINDERS**

Because of the high number of yarn joining requested at this stage, instead of the ATS system Mesdan recommend the fitting of stationary splicing units, such as JOINTAIR 115, on alternate winding spindles.

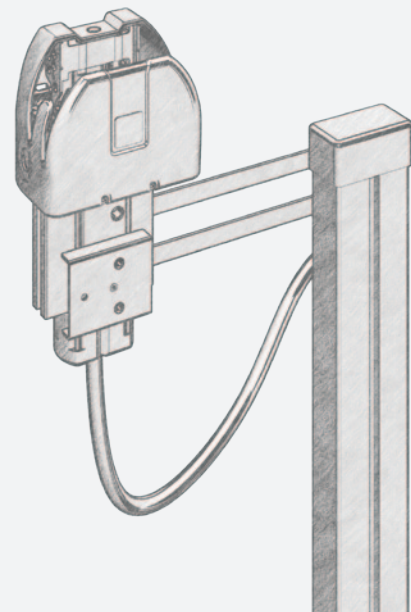
The same solution is offered for traditional winders as an alternative to ATS when a high number of joints is required.

#### **TEXTILE LABORATORY EQUIPMENT**

In addition to Splicers and Knotters, Mesdan manufacture a variety of instruments for the textile quality control, supplied through its MESDANLAB division.

The LAB division has profited from the vast knowledge of fibres, yarns and fabrics accumulated in Mesdan over a six decades presence on worldwide textile markets and this, coupled with the company's strong background in the design and manufacture of fine mechanisms, has placed MESDANLAB in the forefront of the most important Laboratory Equipment manufacturers.

The complete range of MESDANLAB instruments is illustrated in a specific catalogue.



ATS is a COMPLETE system composed by rails, hoses, trolley, air filter & manometer, couplings, etc. enabling a yarn splicer to be operated and positioned at any desired area, thus matching in the best possible way operator's convenience as well as efficiency requirements.

Thanks to a variety of standard ATS fixing brackets and splicer supports, it can be easily installed in the optimum working position, leaving both hands free for yarn manipulation, thus increasing productivity.

### ATS "C" TYPE

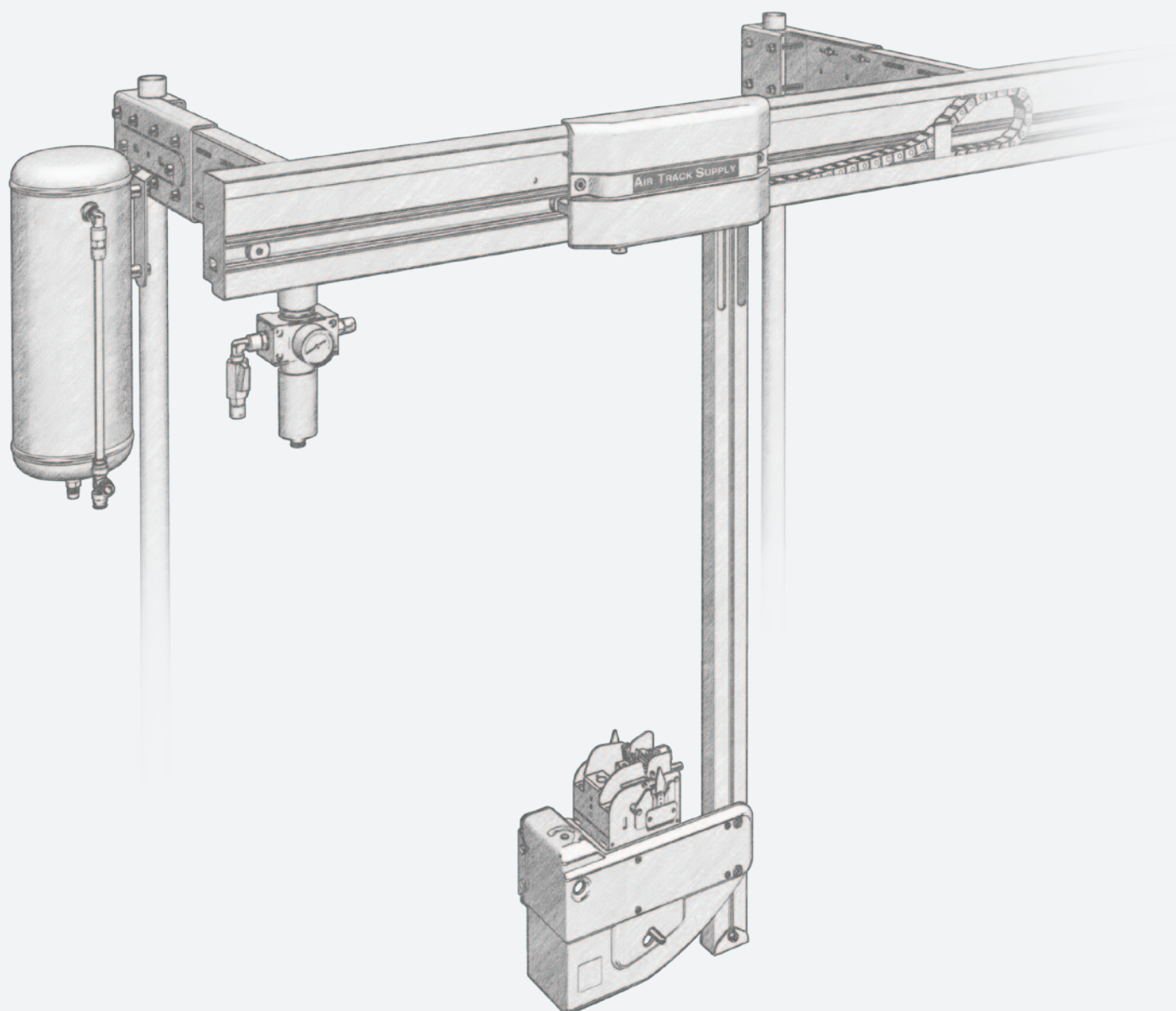
This is the basic model, ideal for lightweight splicers like JOINTAIR 115, 116 and 1401.

### ATS "H" TYPE

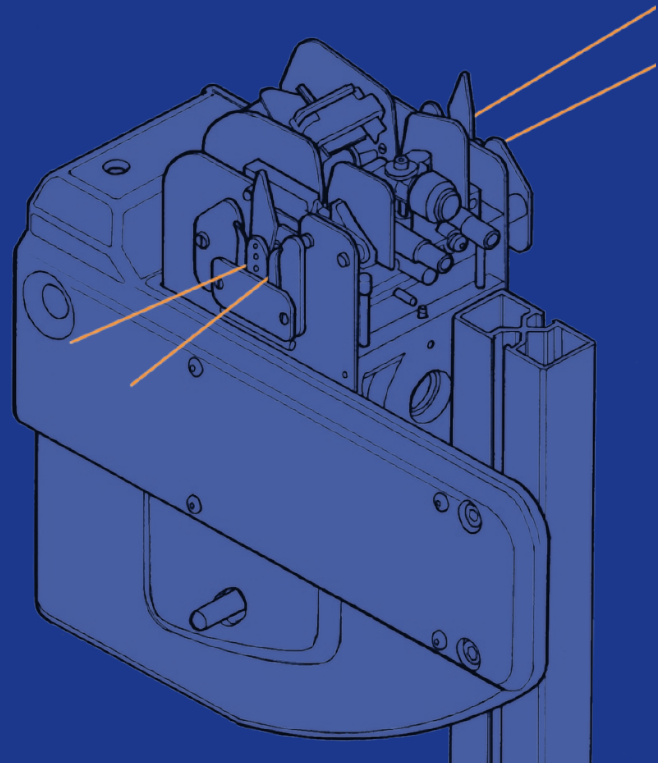
Specifically conceived for HOT JOINTAIR 4983B and 4984B, designed to supply both compressed air and electricity.

### ATS "L" TYPE

A reinforced model suitable for heavier splicers such as JOINTAIR 1101, 124, 4941A, etc. The wider caterpillar track can accommodate both air and water supply pipes, indispensable for the operation of the AQUASPLICER 4923B, and the MOISTAIR 6981A and 6982A.



# ATS - AIR TRACK SUPPLY



**ATS "L"** type fitting AQUASPLICER 4923B installed on **two-for-one** twisting machine processing fine plied compact cotton yarns.

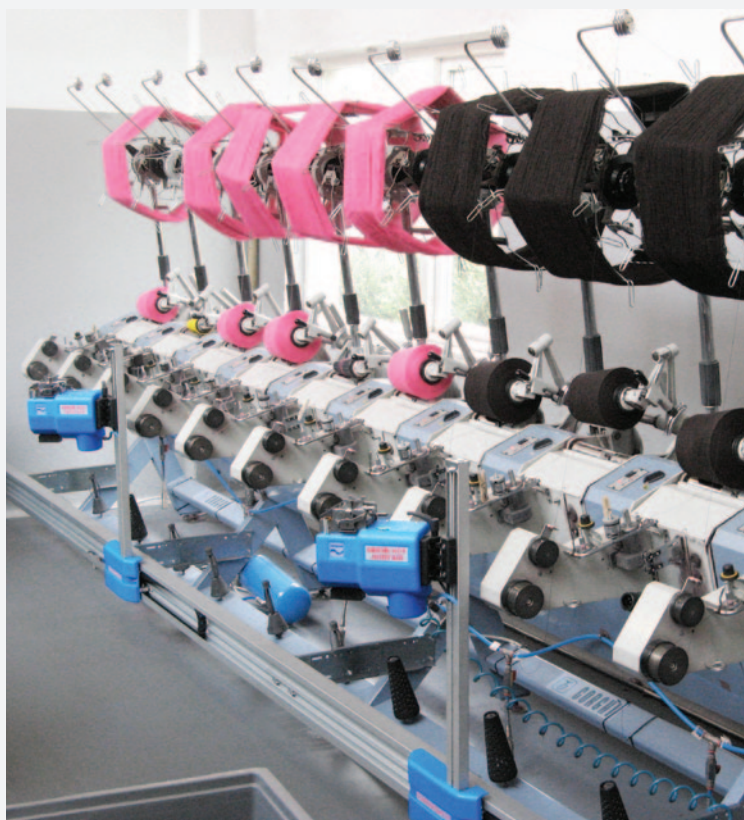


**ATS "H"** type with Hot JOINTAIR 4983B installed on a **two-for-one** twister processing synthetic yarns.

**ATS “L”** type with MOISTAIR 6982A installed on **assembly winder** with separate creel.



**ATS “H”** type with HOT JOINTAIR 4984B on **Hank to Cone winder** processing worsted and woollen yarns, cashmere and wool blends.



**ATS “C”** type with JOINTAIR 110R installed on the creel of a **circular knitting** machine.



**ATS “C”** with floor guide fitting JOINTAIR 116 on a sliding bar with swivel joint enabling splicer vertical movement on the **Tufting creel**.

**ATS “C”** type with floor guide and JOINTAIR 115 fitted on a slider to splice at different levels worsted yarns on **reeling machine** creel.



**JOINTAIR 115** fitted in a fixed position using one splicer for two heads on **hank-to-cone** winder processing wool/acrylic yarns.



**ATS “C”** type with JOINTAIR 115 on **flat knitting** machine.

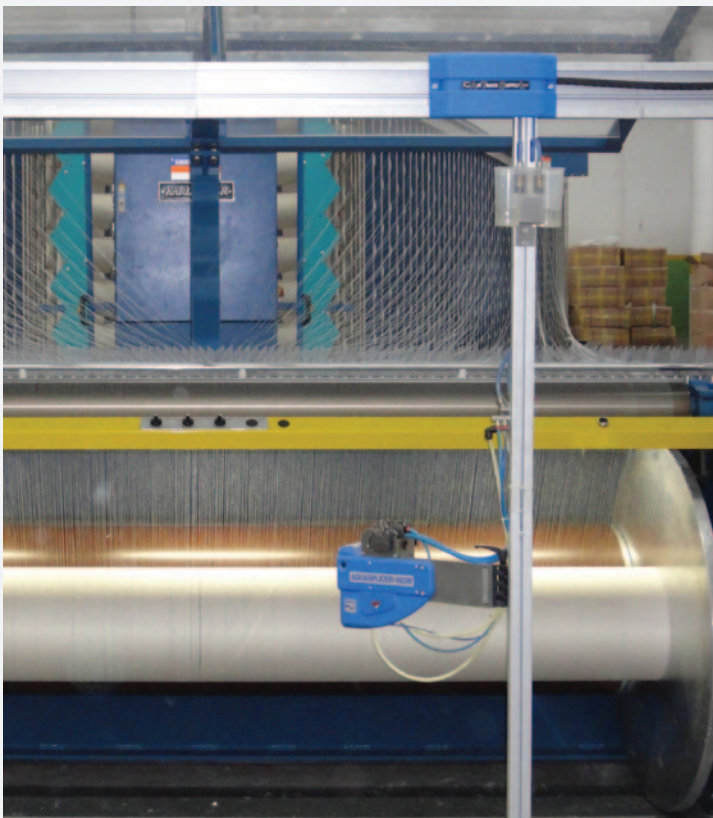


**ATS “L”** with INDIGO SPLICER 4662 installed on a **Rebeamer** - downstream of rope dyeing.

**ATS “H”** type with floor guide and **HOT JOINTAIR 4983B** fitted on a slider for tail transfer at different level on **sectional creel** for wool warping.



**ATS “L”** type with **AQUASPLICER 4923B** on a sliding bar with swivel joint enabling splicer vertical movement on the **Ball Warping creel**.



**ATS “L”** type with **AQUASPLICER 4923B** placed in front of a fractional **warping machine** for cotton yarns.

**ATS “C”** type with **JOINTAIR 115** fitted on **weft weaving creel** for top-to-tail join.

# Range of application of hand operated splicers for spun yarns

|                     |  |                          |
|---------------------|--|--------------------------|
| JOINTAIR 115        | Long and short staple yarns, single and plied  | Nm 3 – 120<br>Ne 6 – 140 |
| JOINTAIR 116        | Coarse count yarns, mainly for carpets   | Tex 200 - 3000           |
| JOINTAIR 1401       | For tail to top joining, mainly on tufting creel   | Tex 100 - 3500           |
| MOISTAIR 6981A/E    | For single and plied cotton (ring and O.E.), blends, synthetics, core yarns  | Ne 5 - 110               |
| MOISTAIR 6982A/E    | For coarse single and plied cotton (ring and O.E.), blends, synthetics   | Ne 1,2 - 16              |
| AQUASPLICER 4923B   | For linen yarns and pure cotton (singed and mercerised)  | Ne 3 - 120               |
| AQUASPLICER 4925B   | For elastomeric cotton yarns as well as other cotton yarns within the range of 4923B   | Ne 3 - 120               |
| HOT JOINTAIR 4983B  | For long staple worsted and wollen yarns, siro spun, compact, high twisted (crêpe) yarns; also for elastomeric core yarns, cashmere, spun silk and difficult synthetic yarns (OE viscose, polyester) | Nm 6 - 90                |
| HOT JOINTAIR 4984B  | For long staple fancy yarns, medium and coarse count wollen yarns  | Nm 1 - 40                |
| INDIGO SPLICER 4662 | For rebeaming operations of cotton denim yarns   | Ne 3 - 40                |

Rel. 2022-05 - Photographs and descriptions of the present leaflet have to be considered as purely indicative and not binding

