

Lofil series

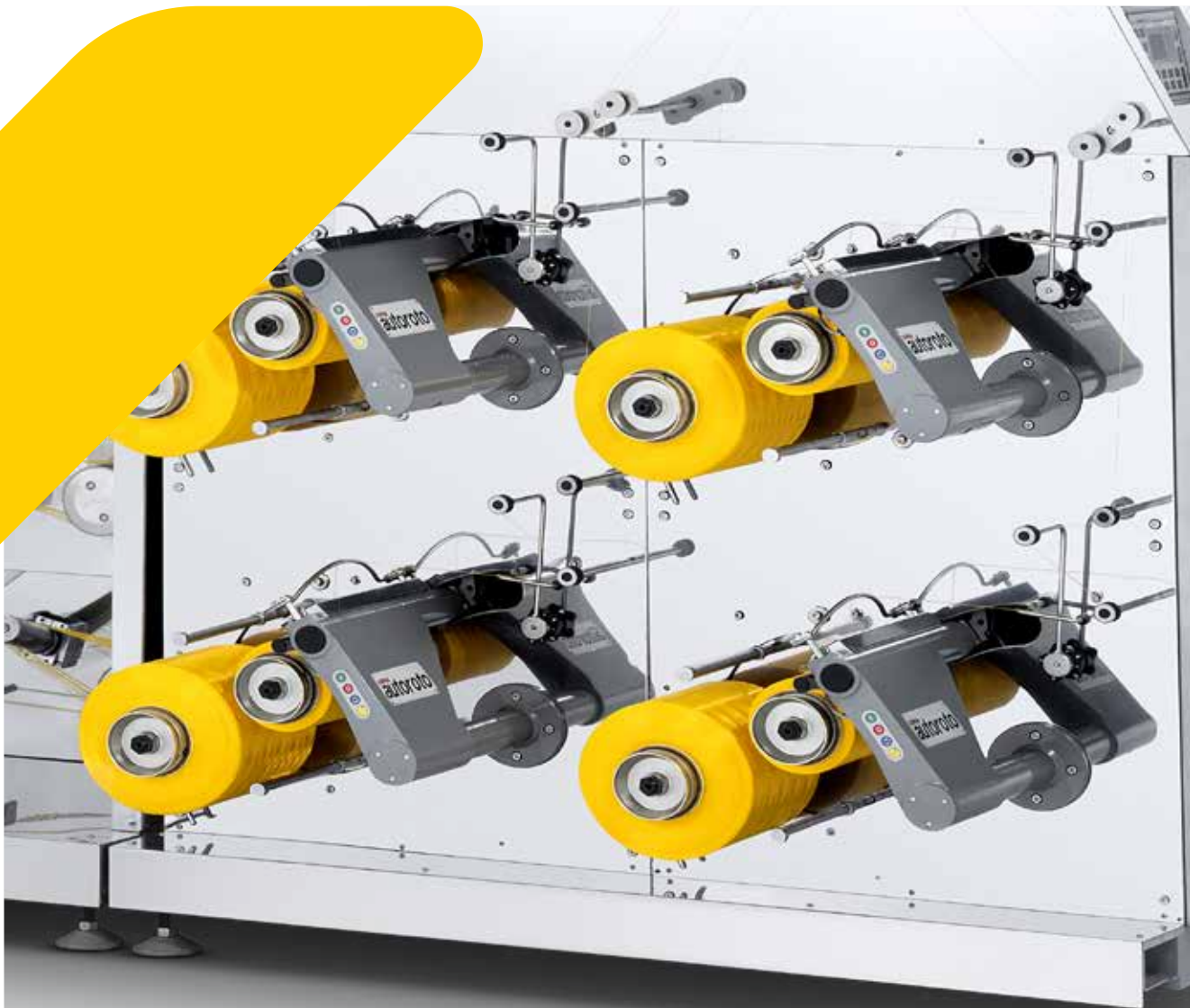
multifilament
spin-draw-wind lines

Perfect for High Tenacity Applications

Quicker Response to Market Dynamics

Automatic Winders

Ergonomic Compact Design



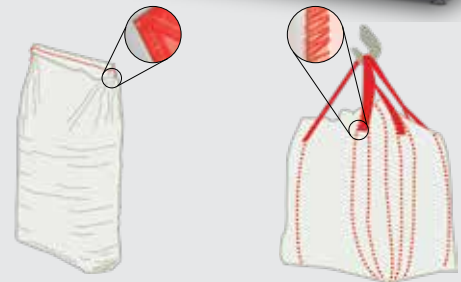
Lofil series

multifilament spin-draw-wind lines

Baby Lofil HT



Lofil 40/4 HT



Lofil range of Spin-Draw-Wind Lines for polypropylene multifilament are compact and flexible machines designed to meet the value added yet dynamic requirements for varied applications.

Yarn applications include sewing thread (for woven sacks / FIBC's), webbings and slings, braids and ropes, technical applications like geotextiles and filters, furnishing textile and many more.

OPTIONAL EQUIPMENTS

- Colour/Additive Dosing Unit
- Spinneret Cleaning Equipment
- Spinneret for Different Filament Profiles

#Lofil 40/4 HT and Lofil 80/8 HT can be upgraded to LofilDuo machines through retro fitment kit on special request

Highly optimised & compact
Spin-Draw Wind systems for
quality high tenacity yarns

Lofil 80/8 HT



Working Speed Mechanical (max.)
upto 1500 m/min[#]

Melt Capacity (max.)
upto 80 kg/hr[#]

Denier Range
upto 5040[#]

Denier per Filament
upto 10

EXTRUDER

Hassle Free Operation: Specially designed extrusion screw with new generation homogenisation and mixing sections for optimized melt quality for wide range of PP polymers, ensuring long-term and hassle free operation.

MELT PUMP

Uniform Melt: Melt spinning pump ensures uniform melt delivery at steady pressure. The electrically heated die head is designed to optimize heat transfer and reduce energy losses.

SPIN-PACK

Spun-dyed Yarn: The spin-packs assure high-value spun-dyed yarn production and ease of operation. The filaments coming out of spinnerets are cooled by specially designed quench zone with variable airflow rate.

QUENCH SYSTEM

Even Airflow: The proven cross-flow quenching system supplies an even, turbulence-free air flow. The quenching system is easy to clean and airflow can be regulated by variable inverter drives.

SPIN-FINISH

Dual Nozzle Type Spin-finish Application System ensures uniform spin-finish distribution over the filaments with the help of precision gear pump.

GODETS

Individual Control: The draw zone consists of five heated godets with separator rolls. The speed and temperature of each godet can be individually controlled.

WINDER

Automatic Changeover: Ergonomically spaced step-precision winders deliver quality yarn packages that ensure snagfree usage in the subsequent process. Automatic change-over at preset package size saves energy and reduces human effort.

CENTRALIZED PLC SYSTEM

Ease of Management: Advance PLC based process control system with easy to navigate touch screen offers display & management of process parameters; integrated trends, error and help messages; password governed access levels for protecting vital parameters; product recipe management; and provision for connection to external printer.

[#]Depends on lofil model

Process speed ramp-up & ramp down feature is available

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	<i>Baby Lofil HT</i>	<i>Lofil 40/4 HT</i>	<i>Lofil 80/8 HT</i>
Denier Range	600 to 2520	600 to 5040	600 to 5040
Denier per Filament (dpf)	Upto 10	Upto 10	Upto 10
No. of Filaments	98 / 120 / 144	98 / 120 / 144	98 / 120 / 144
Screw Diameter	30 mm	40 mm	50 mm
Screw L/D Ratio	28	28	30
Melt Capacity (max.)	20 kg/hr	40 kg/hr	80 kg/hr
Number of Spinning Positions	2	4	8
Quench Medium	Cross - Flow Air Cooling	Cross - Flow Air Cooling	Cross - Flow Air Cooling
Spin Finish Unit - Type of Applicator	Dual Nozzle	Dual Nozzle	Dual Nozzle
No. of Godets - Drawing	5	5	2 x 5
Godet - Temperature Range	60°C to 160°C	60°C to 160°C	60°C to 160°C
No. of Intermingling Jets	2	2 x 2	2 sets of 2 x 2
No. of Winding Systems	2 (Automatic)	4 (Automatic)	2 x 4 (Automatic)
Winding Speed Mechanical (max.)	1200 m/min	1500 m/min	1500 m/min
Installed Power	45 kW	75 kW	140 kW
Power Consumption (avg.)	12 kW*	24 kW*	48 kW*
Machine Dimensions (L x W x H)	3.4 x 2.0 x 4.5 m	4.5 x 3.6 x 5.6 m	4.6 x 6.0 x 5.6 m

* Depends on yarn denier and process parameters.

Specifications are subject to change without prior notice, due to continuous developments. These are indicative and not binding.

Extreme values indicated are not achievable simultaneously.

The pictures may show optional equipments that are not a part of the standard supply.

For details, refer to the quotation.

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