

SANTEX
RIMAR
GROUP



Flexible Advanced
Shutless Technology

Compact design for competitive performance

New Patented Grippers

with reduced cross section, ensure top efficiency for every type of yarn.

Free Flight Ribbons System,

without ribbon guide hooks, to ensure the most "clean shed".

The new optimized shed

geometry ensures perfect fabric construction and high efficiency at the highest production rates.

New short mechanical

transmission, ensuring the highest running regularity and the lowest energy consumption.

High efficiency brushless

motor with permanent magnets, characterized by the highest power factor and the lowest heat generation.

Balance shaft for stable running.

Counter-rotating main shaft and cam shaft, with optimized transmission ratio, to minimize the torsional loads transmitted to the structure during rush start and stop.

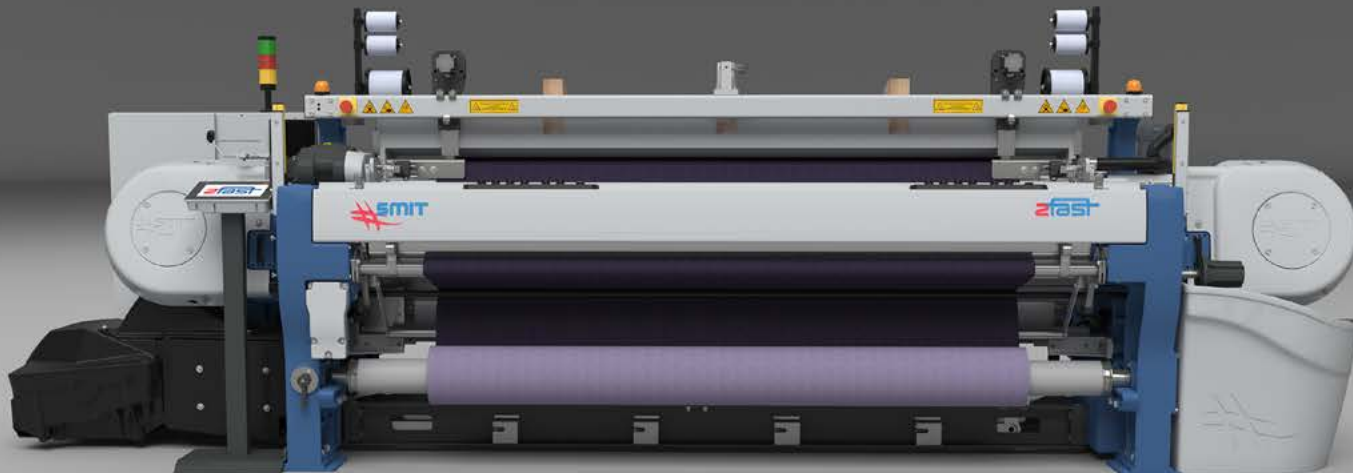
Compact machine structure.

New and optimized distribution of the masses to ensure the greatest stability and the most effective reduction of dynamic load on the floor.

Frame stiffness +20%

Lower center of gravity

and compacted machine external width: increased stability and reduced vibrations at high speed. Easier accessibility for the weaver and quicker intervention.



Designed and made in Italy



Flexible Advanced Shutless Technology

New electronic control.
Versatile architecture, easy to expand functionalities. Optimal temperature control

High Response brushless motor and reinforced main shaft, to ensure:

- The highest starting acceleration and 100% beating efficiency at first pick insertion (No starting marks)
- Maximum torque available also for the heaviest shedding requirements

New interactive and User-friendly interface. Color touch-screen display, with all the functions for easy set-up and machine programming

High speed Dobby models, for all the types of fabrics. New doobby support design, to ensure high precision in alignment with tie rods and avoid any shedding vibrations

New slay cam motion, built-in in the machine structure.
Reviewed cam design and dimensions; more stiff follower wheels and shaft, to achieve the highest production speed without torsional vibrations and with an effective control of the reed motion for a very soft weft beat-up

New Dobby Drive, to ensure high torque transmission and motion stability, silent operation

New back-rest control, characterized by:

- New lay out of the load cell to ensure the highest warp tension stability
- New back-rest elastic recall system, to avoid any resonance effect at the highest performance rates
- Standard warp deviation roller, to ensure even tension from full to empty beam

New reinforced Let-off gearbox with Quick-Beam connection. Euronorm ground single beams with flange diameter 800; 1000; 1100 mm

New Leno-Force
Allows to program the false selvage and leno yarn crossing, pick-by pick, for each side independently. Maximum efficacy in the control of the weft stretching

New material for the lateral ribbon guides, to reduce friction coefficient. New design to ensure long ribbon life

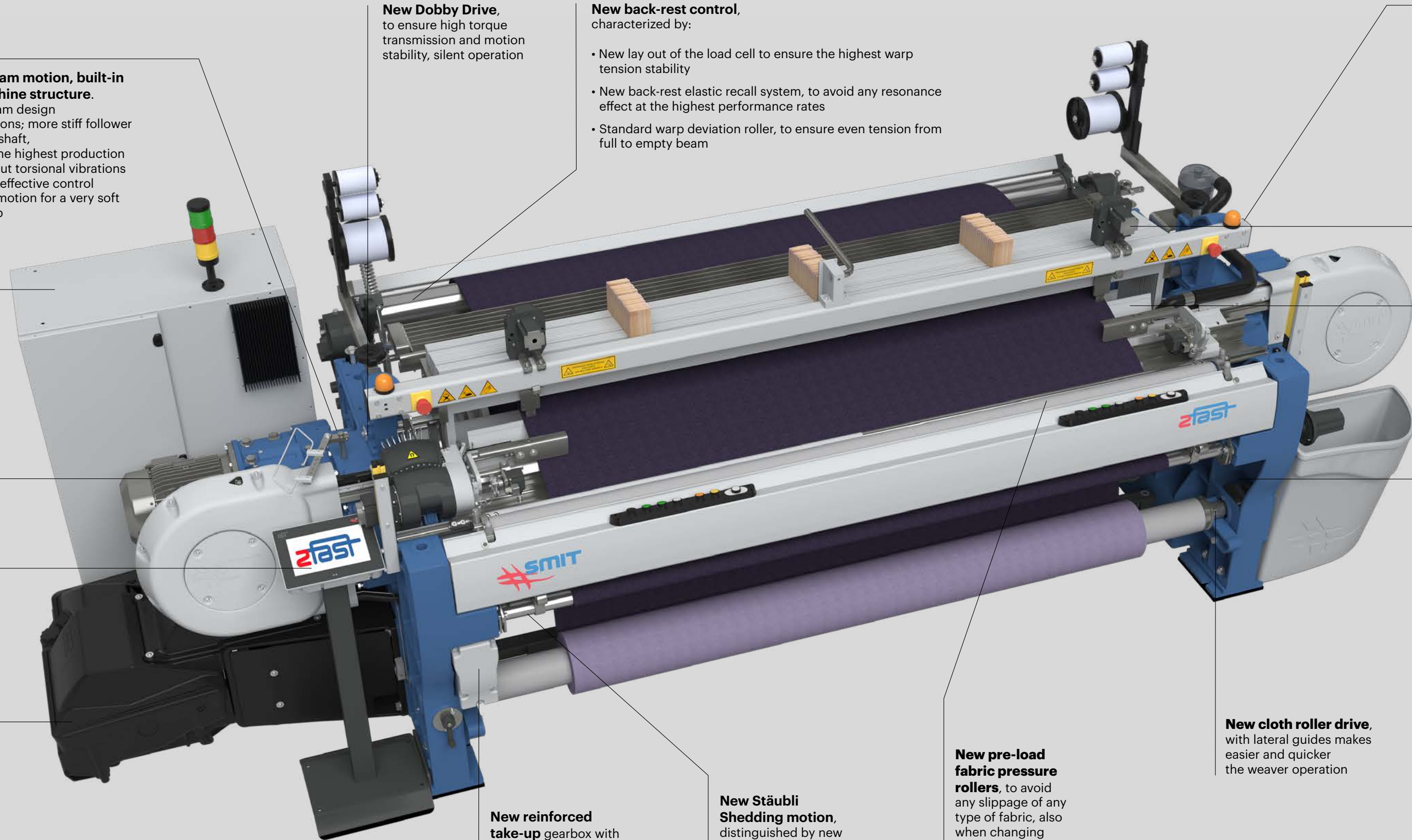
New forced oil circulation, to guarantee the lowest energy dissipation in the mechanisms. An additional oil cooling equipment is available as option for the most critical environmental conditions

New cloth roller drive, with lateral guides makes easier and quicker the weaver operation

New pre-load fabric pressure rollers, to avoid any slippage of any type of fabric, also when changing the cloth roller

New Stäubli Shedding motion, distinguished by new lateral connections, to achieve high stability of the heald frames motion

New reinforced take-up gearbox with cylinder of increased diameter, for high fabric grip, to avoid any stop and start mark



Unleash
the full potential
of the free flight!



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