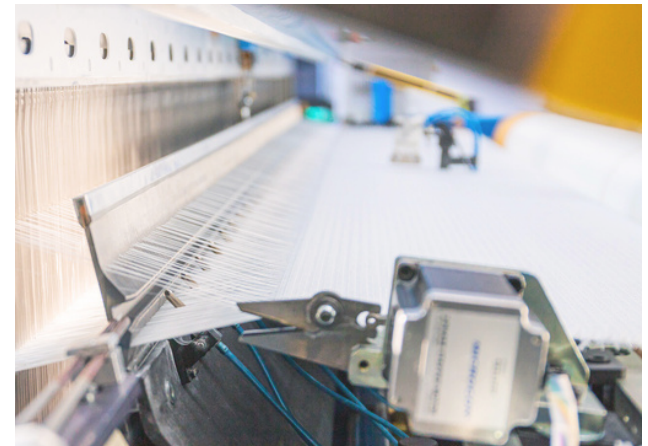


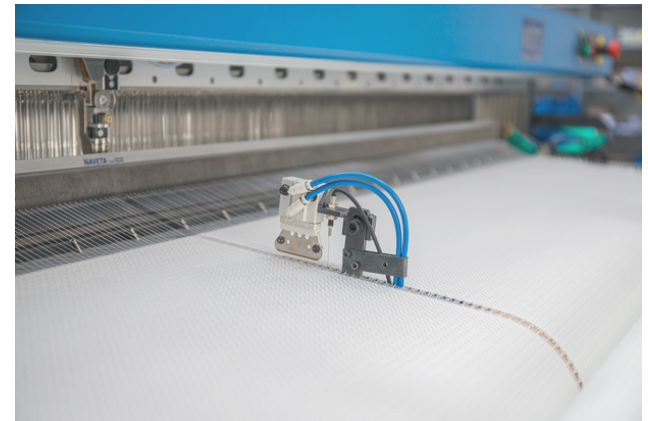
VUTS

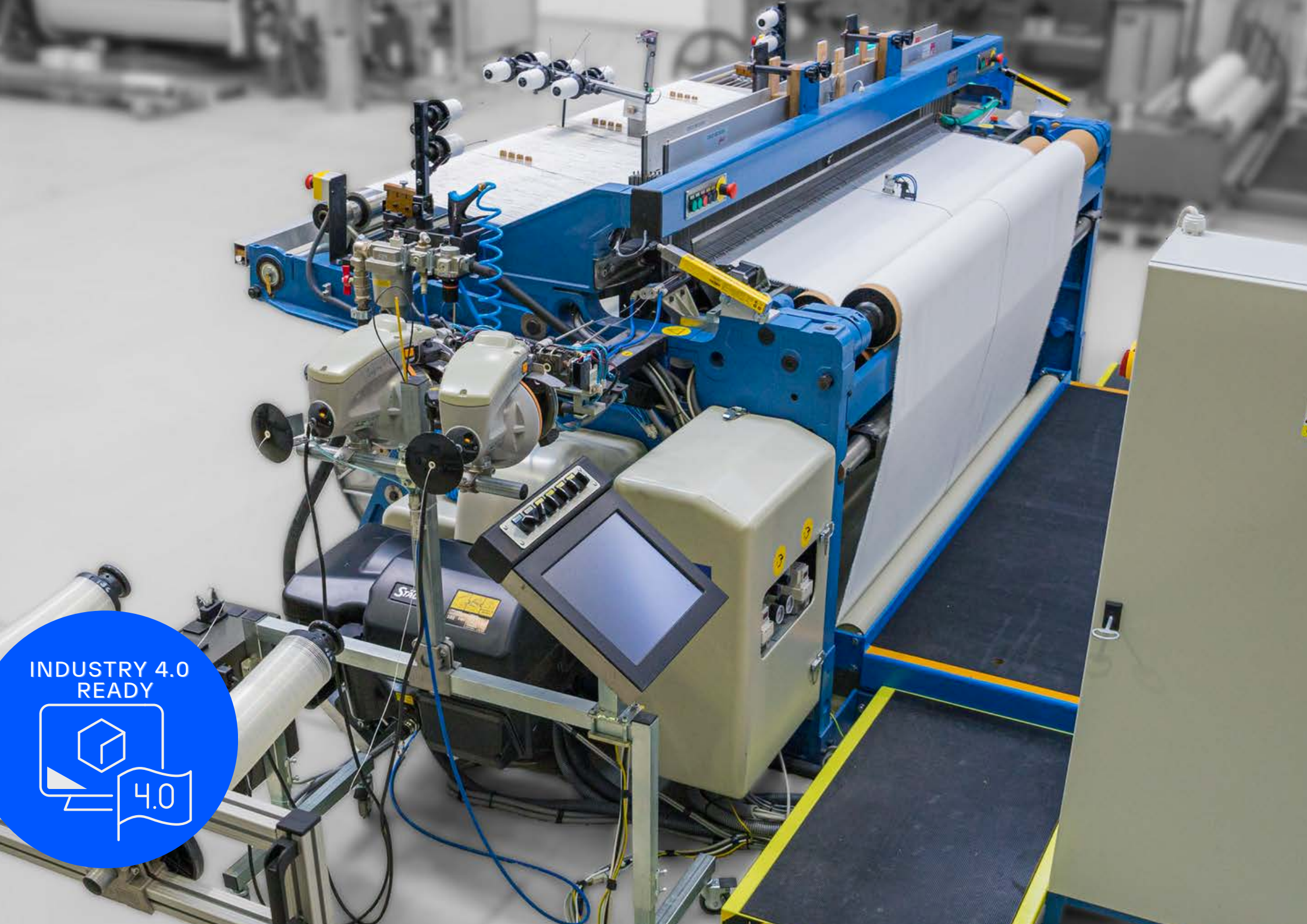
VERA

air-jet weaving machine for technical fabrics



- + high performance
- + low spare parts consumption
- + low operating costs
- + low noise levels





INDUSTRY 4.0
READY



FRAME CONSTRUCTION

- Left side and right side (casts made of grey cast iron)
- Central steel H profile connecting sides
- Steel tubes reinforcement
- Left and right warp stand (casts made of grey cast iron)
- Breast beam construction made of linked steel profiles
- Grey cast iron back rest limbs connected by steel profile
- Upper extension made of cast iron brackets and steel profiles

MACHINE DRIVE

- The direct drive of beat-up mechanism by means of asynchronous electromotor – master
- The direct drive of shedding mechanism by means of synchronous servomotor - slave

BEAT-UP MECHANISM

- Cam beat-up mechanism with a profile slay made of C/E composite material

SHEDDING MECHANISM

- Shedding mechanism with the Stäubli S3060 electronic rotary dobby (12 heald shafts 13", healds with open end loops "C")
- or shedding mechanism with the Stäubli cam motions S1600 (8 heald shafts 13", healds with open end loops "C")

WEFT PICKING

- Two independent pick systems
- Weft picking modes: single, mix and two color change
- ROJ Super Elf G2 HD 3mm feeders
- Automatic braking system (ABS) of weft
- Tandem and main nozzles with automatic air pressure control
- Left (input) weft cutting, with diamond blades, with an electronically controlled step motor
- Profiled reed
- Relay nozzles with automatic timing system
- Stretch nozzle
- Opto-electric weft stop motion
- Right (arrival) weft cutting, with diamond blades, with an electronically controlled step motor or passive weft cutting
- Automatic filling reipair

WARP LET-OFF MOTION

- Electronic let-off motion with machine control system
- Diameter of warp beam flanges max. 1 000 mm

BACK REST

- Active double-roller back rest
- Strain gauge sensing of warp tension

WARP STOP MOTION

- Four-row, electrical with droppers EOI type

TAKE-UP AND PACKAGING

- Electronic take-up motion with machine control system
- Packaging solved by external device type large size badge winder

SELVEDGE MOTIONS

- Needle selvage entangling devices K-glass of Gebr. Klöcker with group pneumatic drive
- Rotary Selvage Entangling Devices Propeller Leno, Gebr. Klöcker
- Cutting and taking-up of auxiliary selvage
- Central fabric splitting

CONTROL SYSTEM

- Machine drives control and fabrics weaving technology
- ConTek control system
- LCD control touch screen terminal
- Communication via Ethernet or RS 485
- Continuous weaving technology monitoring and production diagnostic of the machine

PROCESS FIBRES

- PES, PAD, PP: 150 up to 1500 den
- Glass fibers 34 tex – 600 tex

REVOLUTIONS RANGE

- Working frequencies up to 500 RPM (for Stäubli S3060)
- Working frequencies up to 600 RPM (for Stäubli S1600)

ENERGY CONSUMPTIONS

- Air consumption according to weft: 80 up to 100 m³/hour
- Power input of weaving machine according to producing revolutions: up to 3,8 kW

WIDTH

- Min. reed width 170 cm | Max. reed width 220 cm

MACHINE SPACE DEMANDS

- Width: 4 850 mm
- Depth: 1 985 mm
- Height: 1 660 mm
- Weight: 4 200 kg

(Without control box and large-size batch winder)

VÚTS, a.s.
Svárovská 619
Liberec XI- Růžodol
460 01 Liberec
Czech Republic

