



techso

t-SIZE

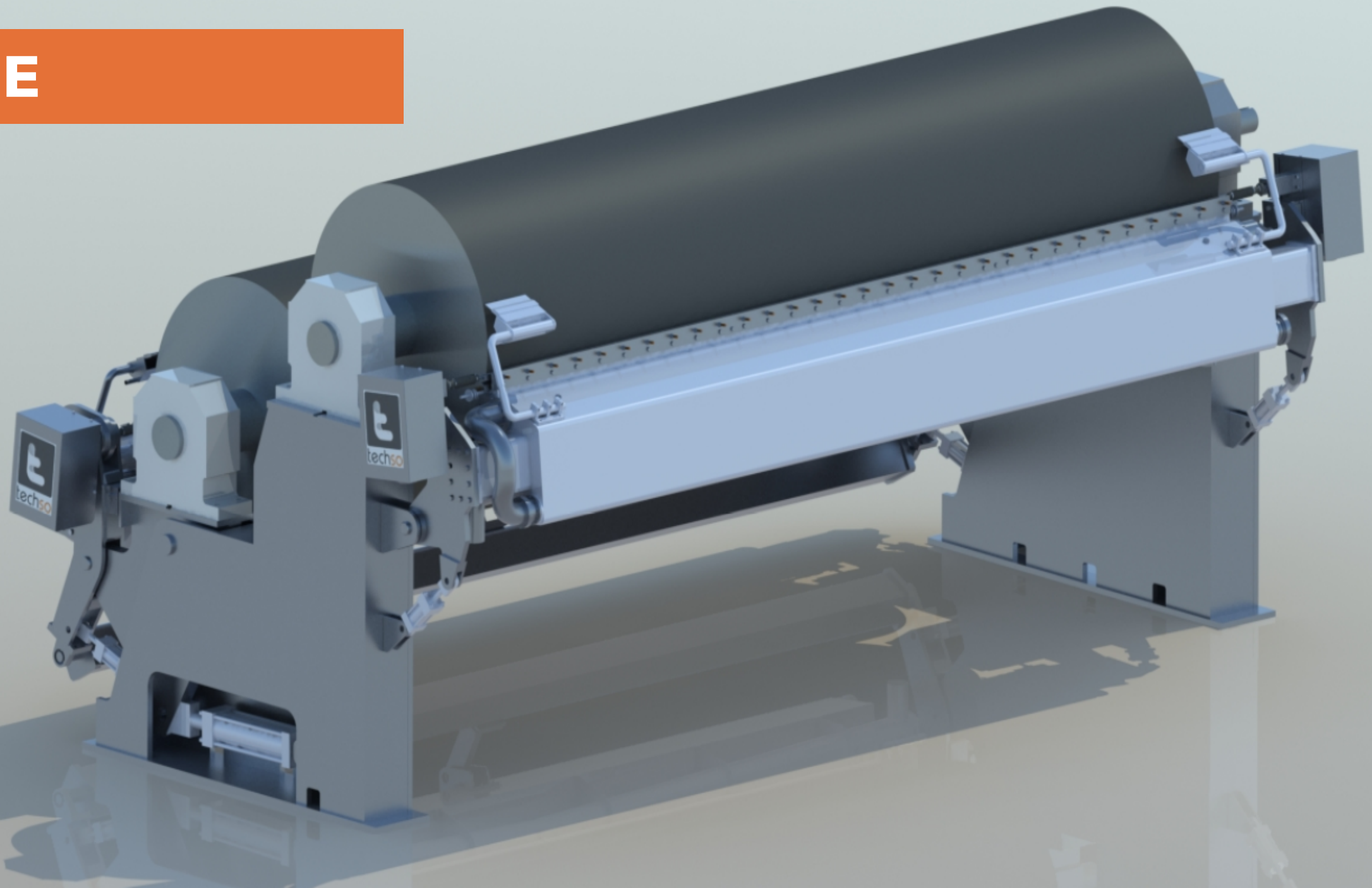
What is **t-SIZE**?

t-SIZE is the film metering size press by Techso.

t-SIZE concept is on the track of a long tradition of film sizers.

t-SIZE is designed with reliability and easy use as driving elements.

t-SIZE



For which paper grades is **t-SIZE**?

t-SIZE is suitable for different paper grades

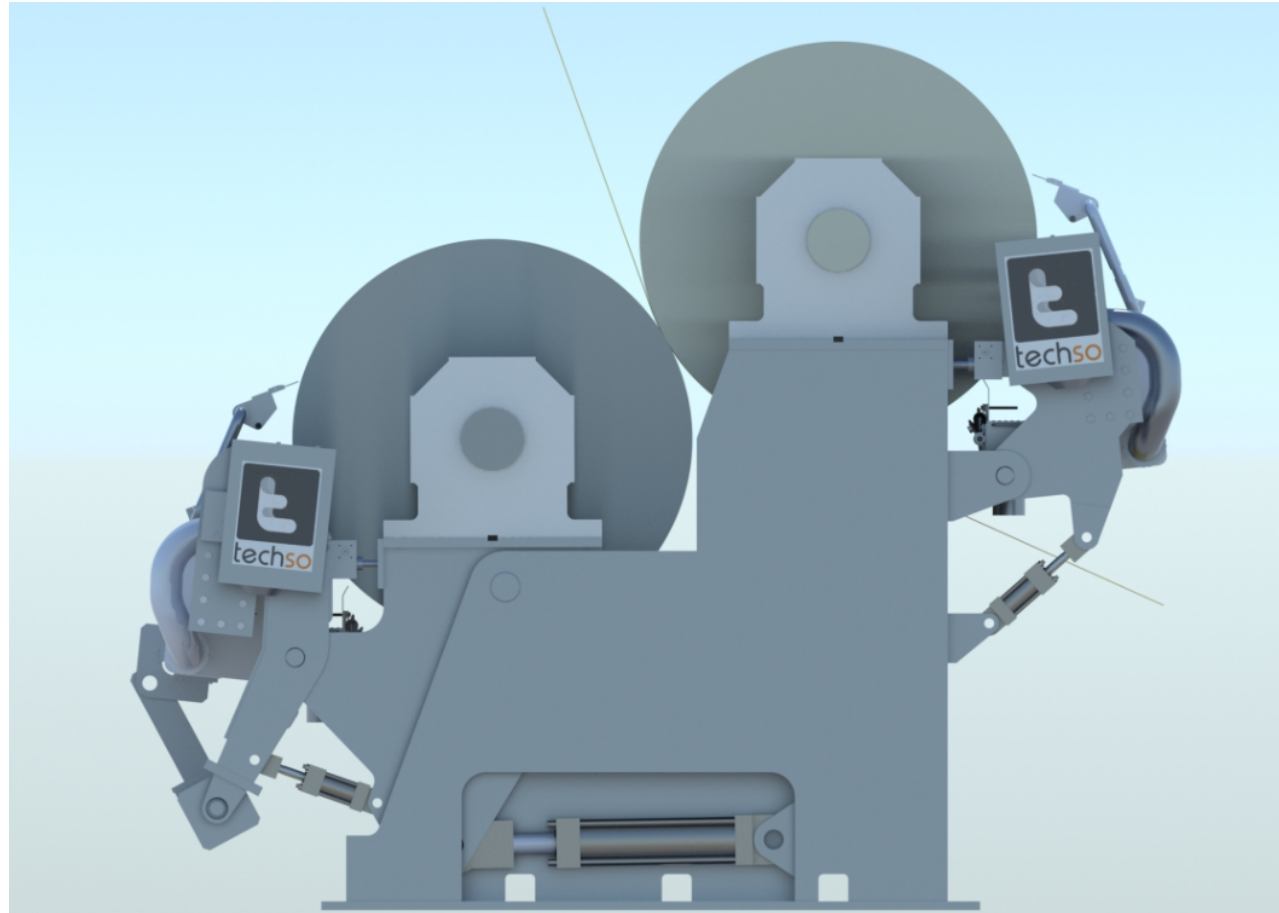
- Fine paper
- Packaging grades
- Coated paper

Why **t**-SIZE?

t-SIZE offers

- Easy operation
- Reliability
- Optimized maintenance
- Cleanliness during operation

How **t**-SIZE is made?



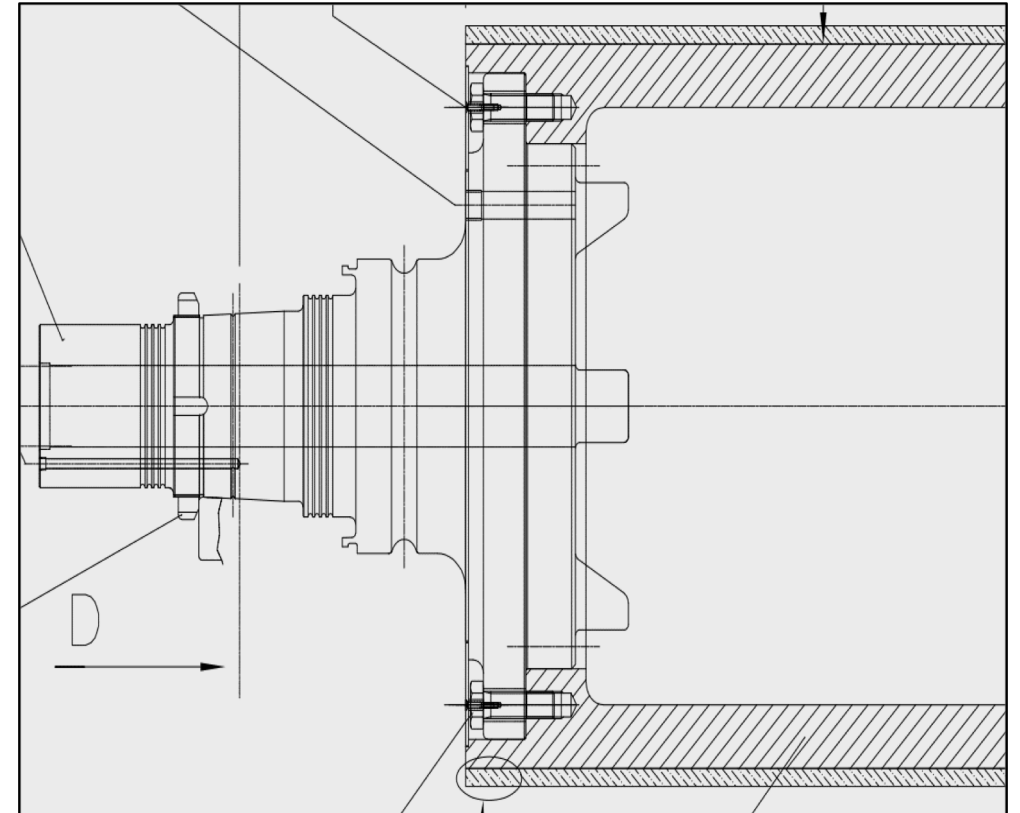
t-SIZE materials

- Solid stainless steel frame
- Solid stainless steel metering beams
- Cast iron rolls
- Rubber roll covers



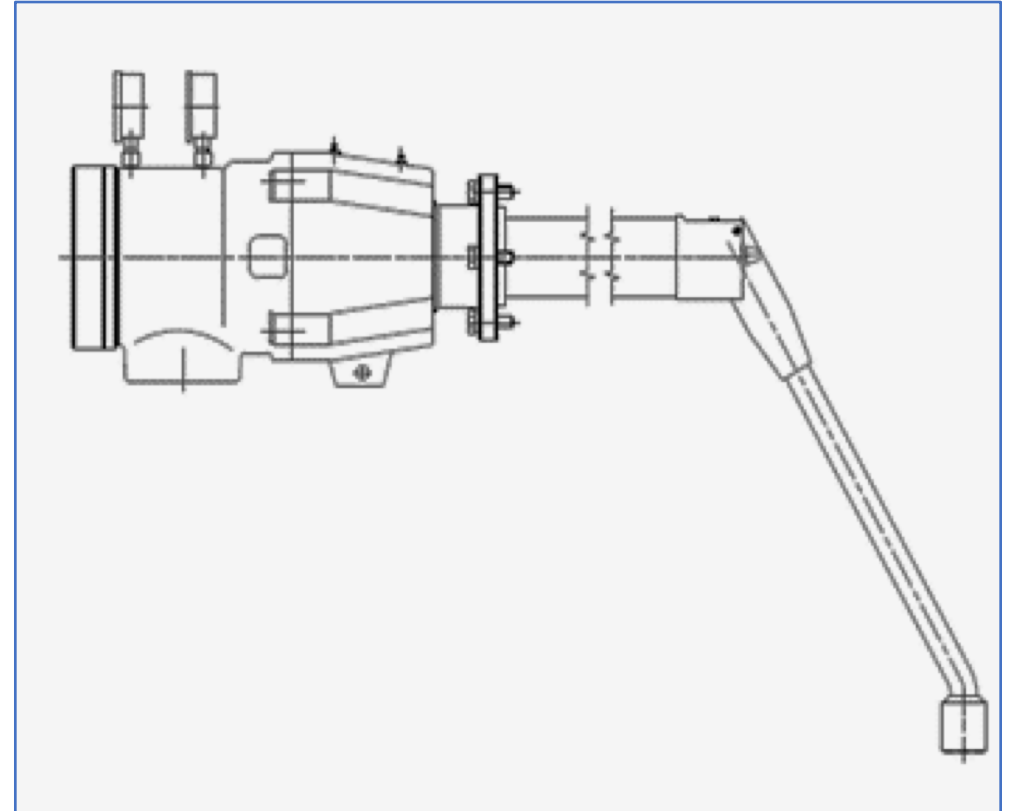
t-SIZE rolls

- Cast Iron applicator rolls
- Large diameter
- Oversized wall thickness (70 to 120 mm)
- Low deflection even under nip
- No need of crown to correct deflection



t-SIZE rolls

- Provided with air/water cooling system
- Duplex stationary joint



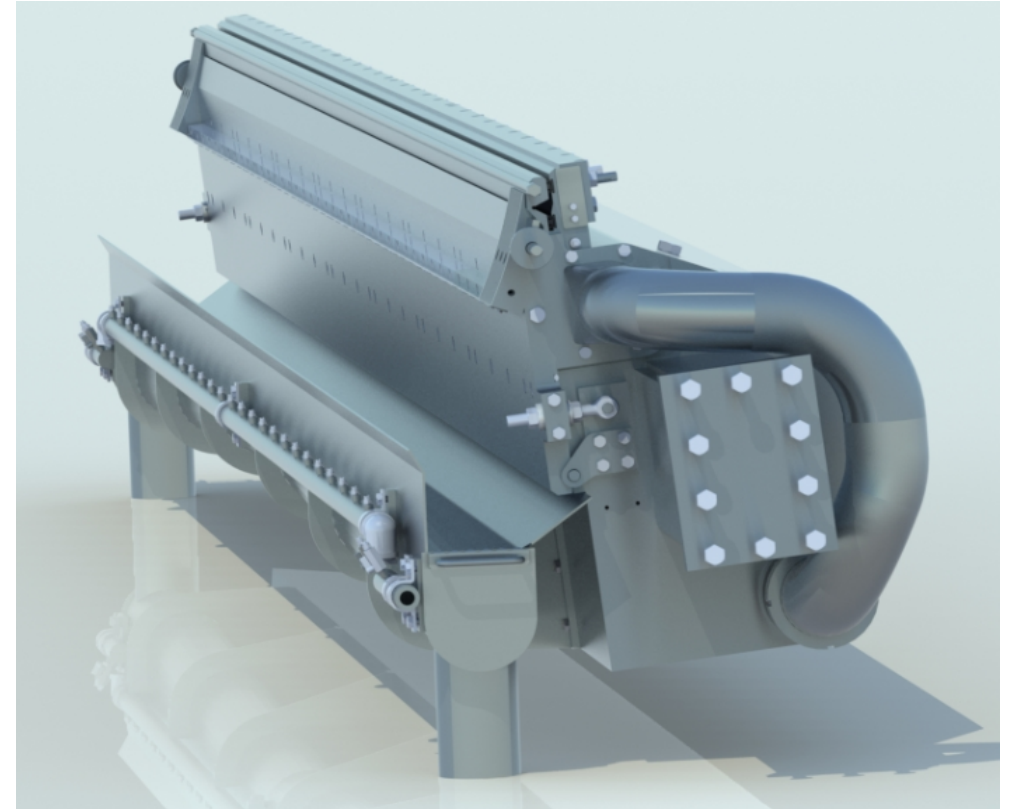
t-SIZE roll covers

- Rubber roll covers
- Different cover hardness (15 and 30 P&J) on the two rolls
- Different cover thickness (19 and 20 mm) on the two rolls



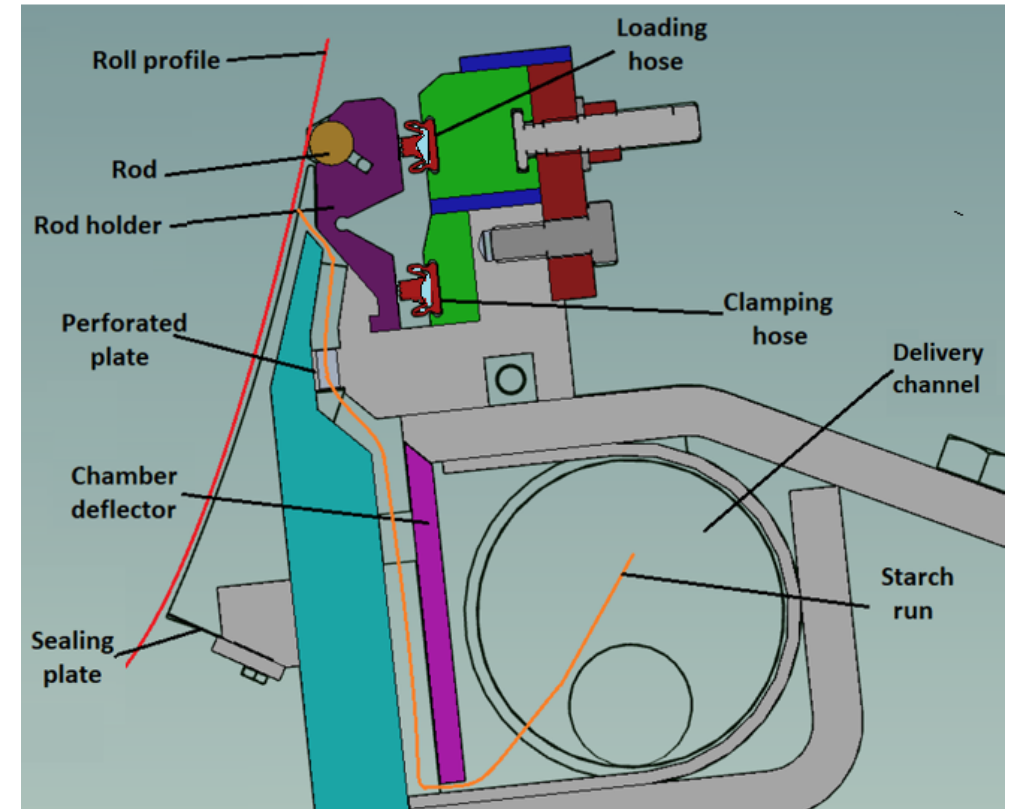
t-SIZE metering beams

- Superior uniformity in starch dosing
- Easy operation
- Efficient edge sealing
- Reduced starch consumption



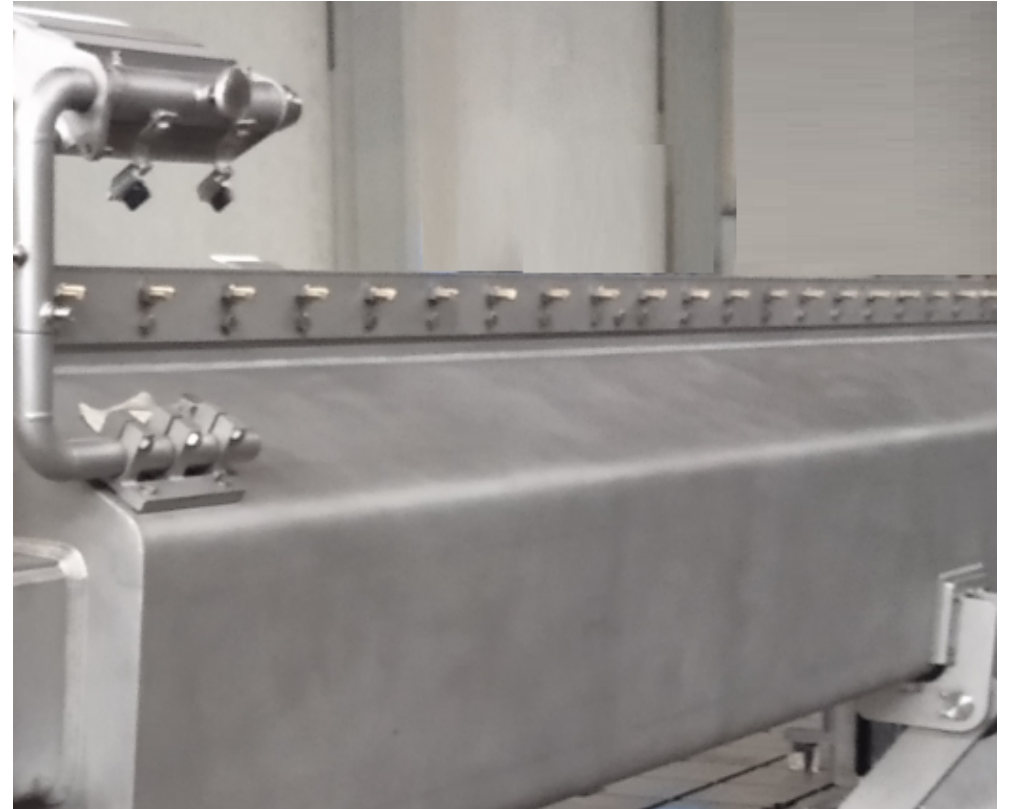
t-SIZE metering beams

- Starch dosing is even across the machine thanks to a proven equalizing design of the starch channel.



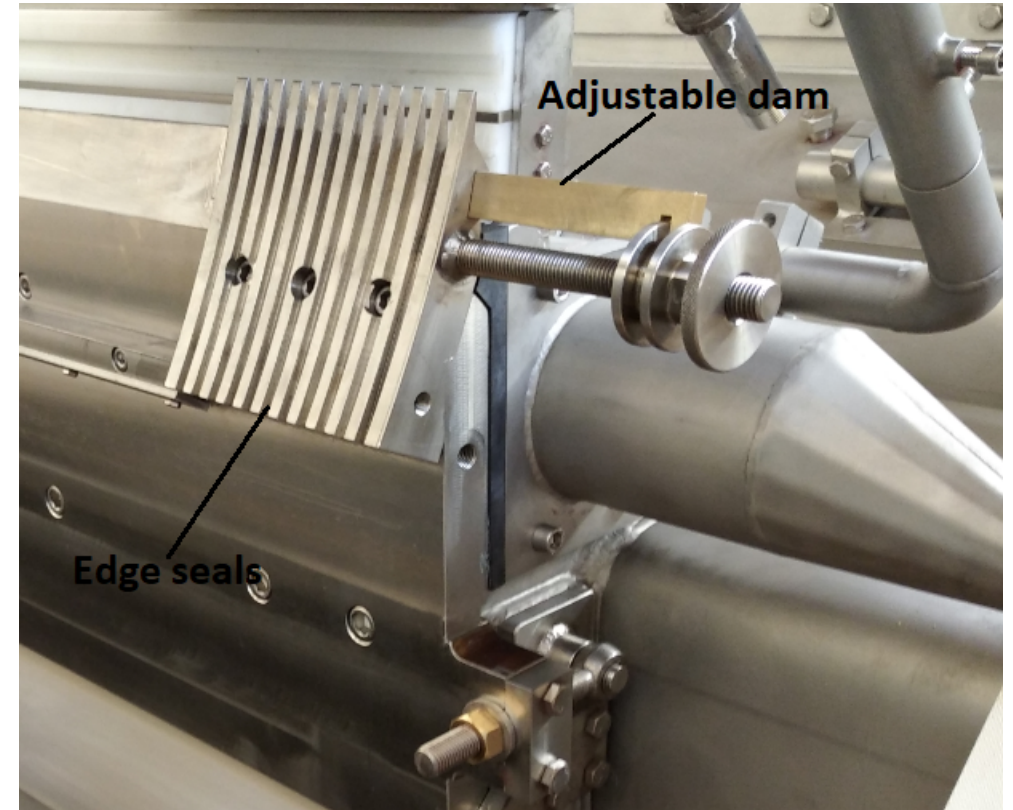
t-SIZE metering beams

- Possibility to correct the pressure of the rod locally by adjusting screws



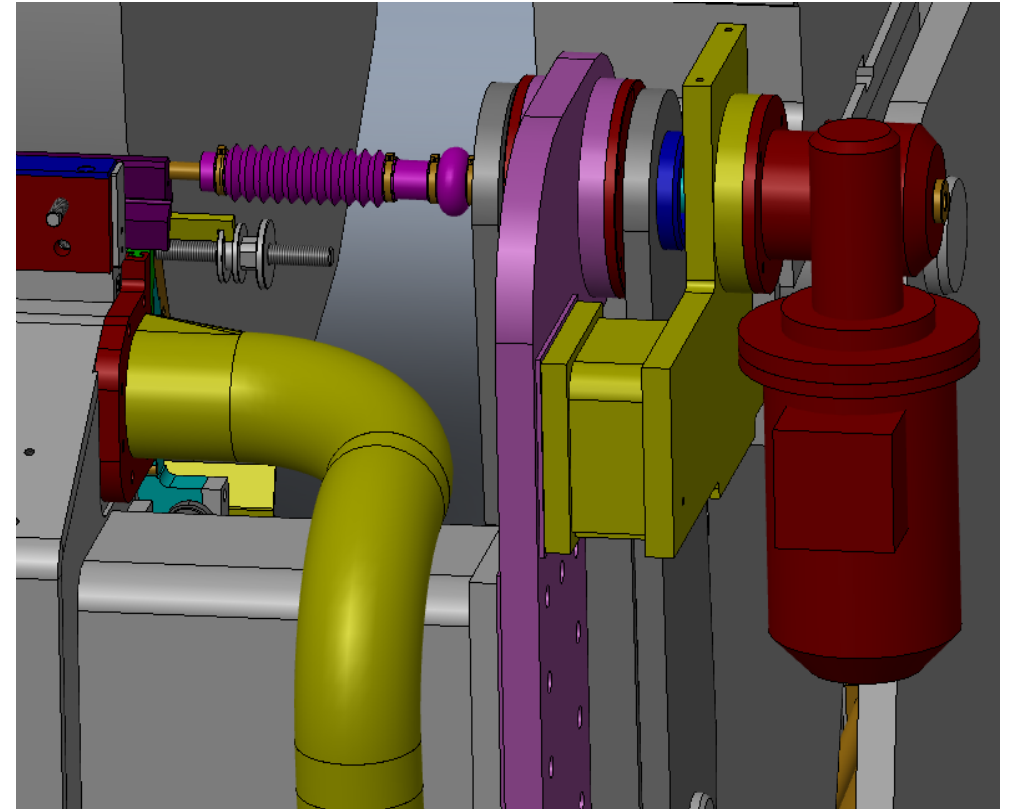
t-SIZE metering beams

- Edge sealing without contact
- No consumables required
- No maintenance required
- Adjustable dam to set starch width



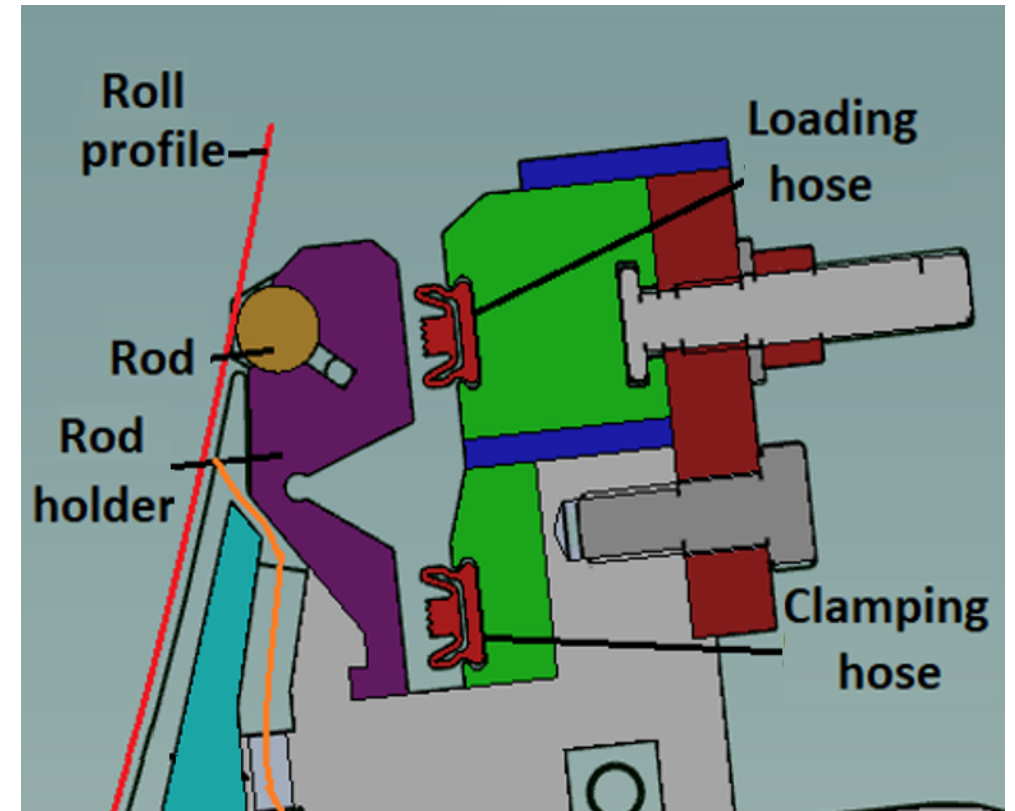
t-SIZE metering beams

- Metering rod controlled by electric motors
- Metering rod driven through quick connection coupling



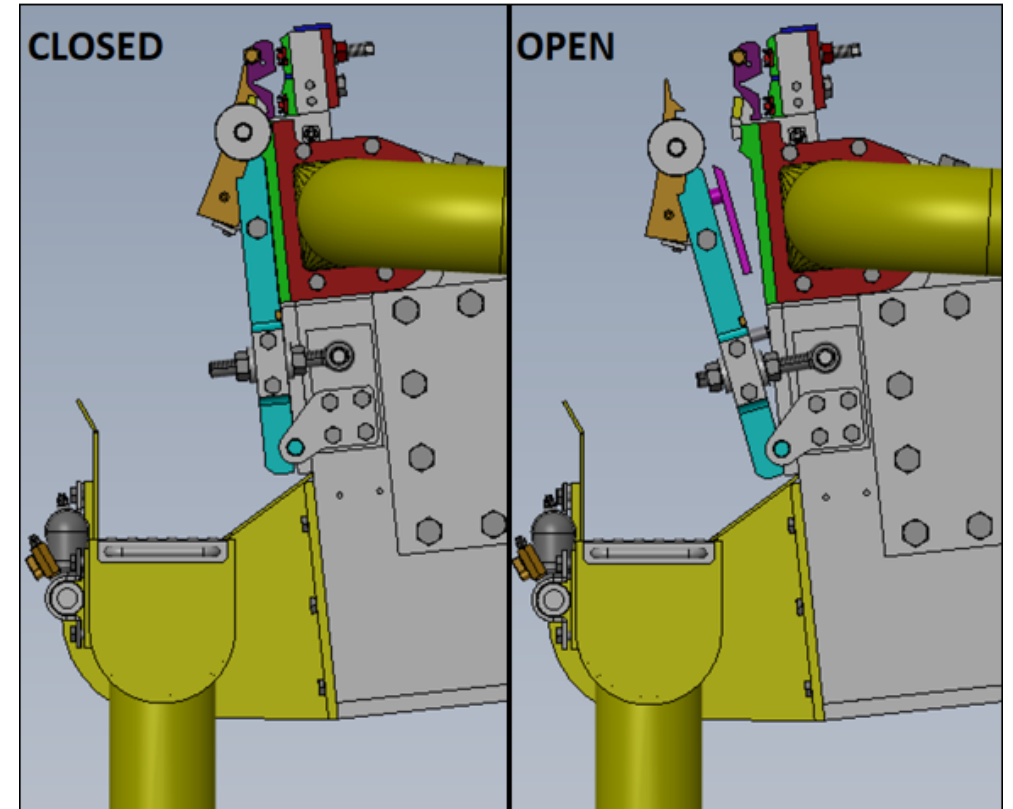
t-SIZE metering beams

- Easy to operate
- Rod loading by air
- Rod clamping by air



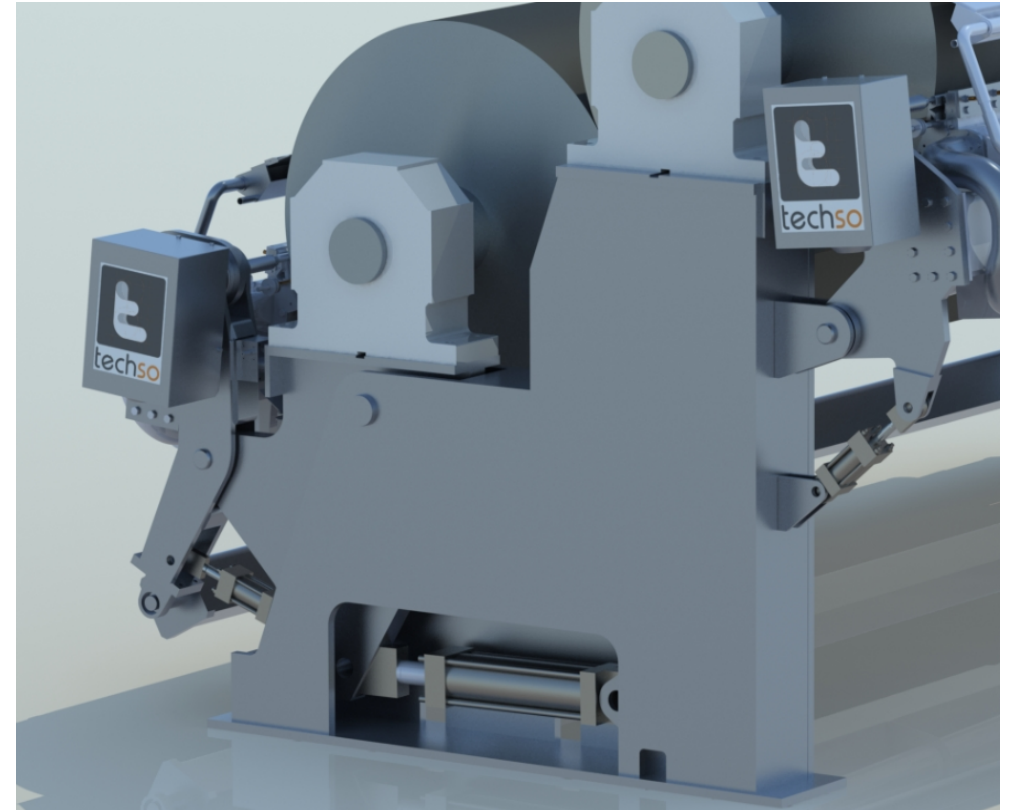
t-SIZE metering beams

- Easy access to starch chamber for inspection
- Opening/closing by screws
- No need of crane or special tools



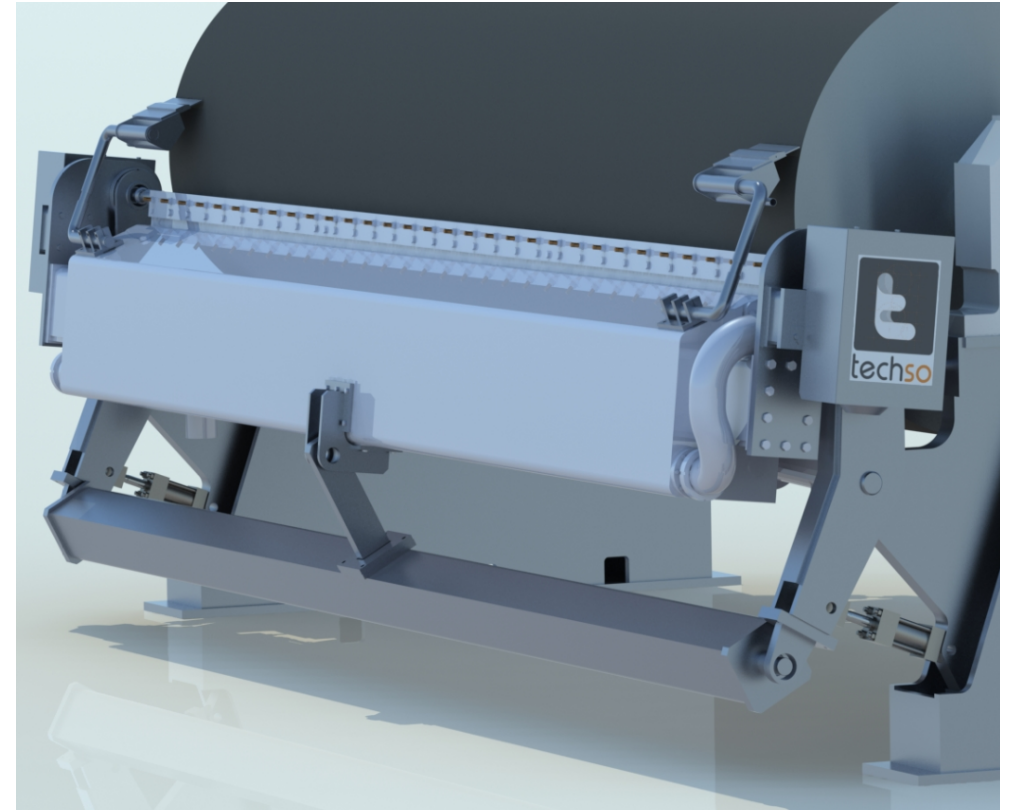
t-SIZE frame

- Robust solid stainless steel frame
- Roll pivoting by hydraulic pistons
- Roll pivoting control with hydro-mechanical jack



t-SIZE frame

- Metering beams movement by hydraulic piston
- Metering beams movement controlled by mechanical jack
- Geometry of frame for pivoting roll beam to ensure parallelism with roll



t-SIZE controls

- Dedicated hydraulic unit
- Pneumatic frame and benchboard
- Dedicated PLC
- Interface with MCS



t-SIZE complementary options

- Tail shooters
- Tail cutters
- Rope threading systems
- Spreader rolls
- Paper run including frame and paper rolls



THANKS