

Edging and Ripping System  
**POWER\_RIP**



## DESIGN FEATURES

### HIGH-GRADE COMPONENTS

The POWER\_RIP has been designed for high throughput rates and optimum yield, utilizing high-grade components that are perfectly coordinated via a CNC control.

The optimum alignment of the waney-edged boards is ensured by an automatic feeding system. After measurement the individual boards are not only centered, but also

skewed taking into account their crook and taper. Highest edging and ripping accuracy as well as maximum timber recovery are ensured.

The edger features a saw shaft with two independently moving saw bushes for edging the board into the previously measured maximum width.

The edged board is separated from the waney edges by an offcut separator without splitting wedges and then passes through the rip saw, which is equipped with telescopic saw bushes for increased ripping accuracy and flexibility in the ripping patterns.

### BENEFITS OF THE POWER\_RIP

- Maximum equipment up-time
- Profit maximization by optimum yield results and area optimization
- State-of-the-art measuring technology for highest edging accuracy
- Space-saving measuring during transverse throughfeed
- Increased material throughput by separating the edging and ripping operations

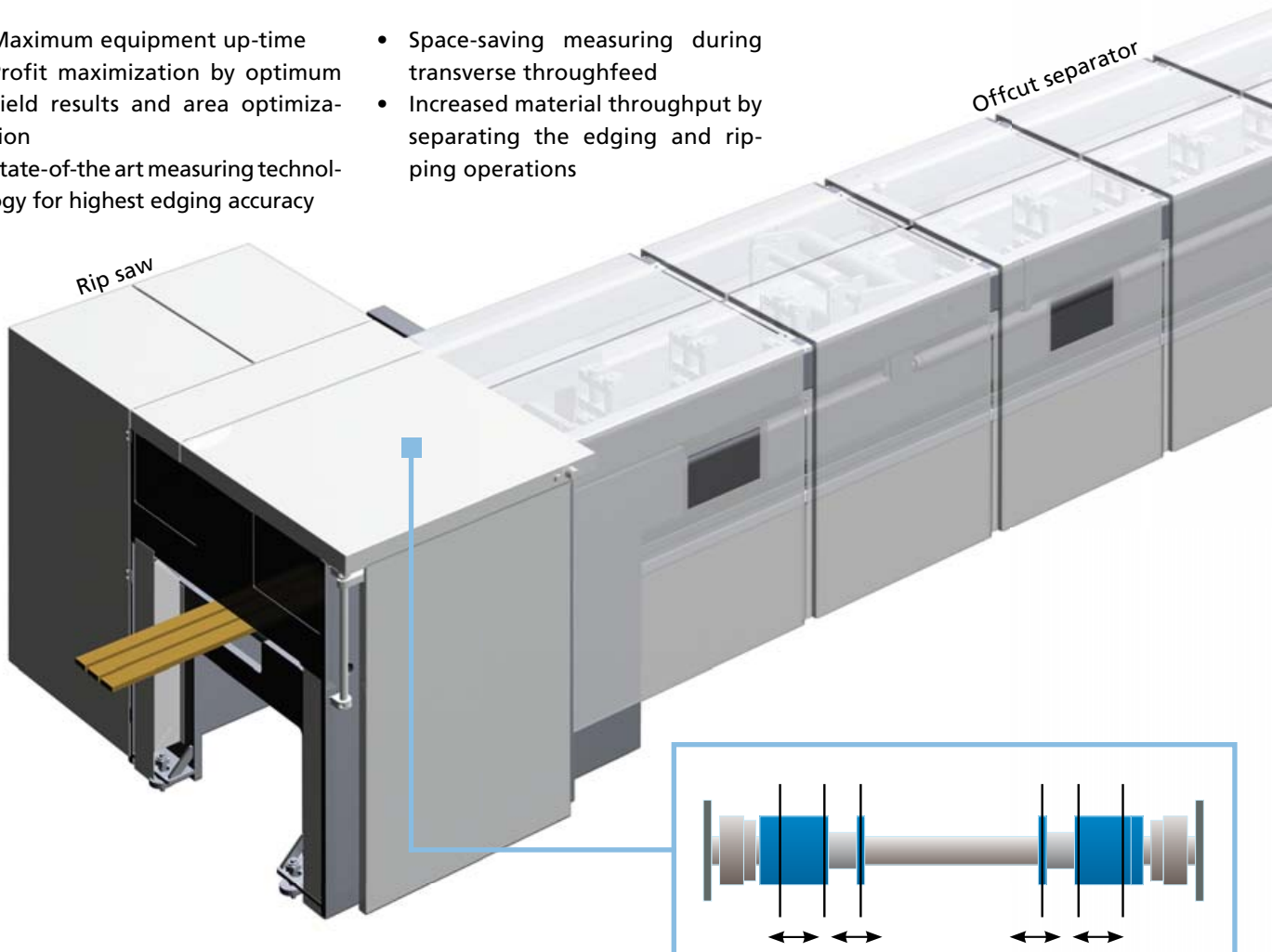


Fig. 3 Saw shaft with up to four moving telescopic saw bushes

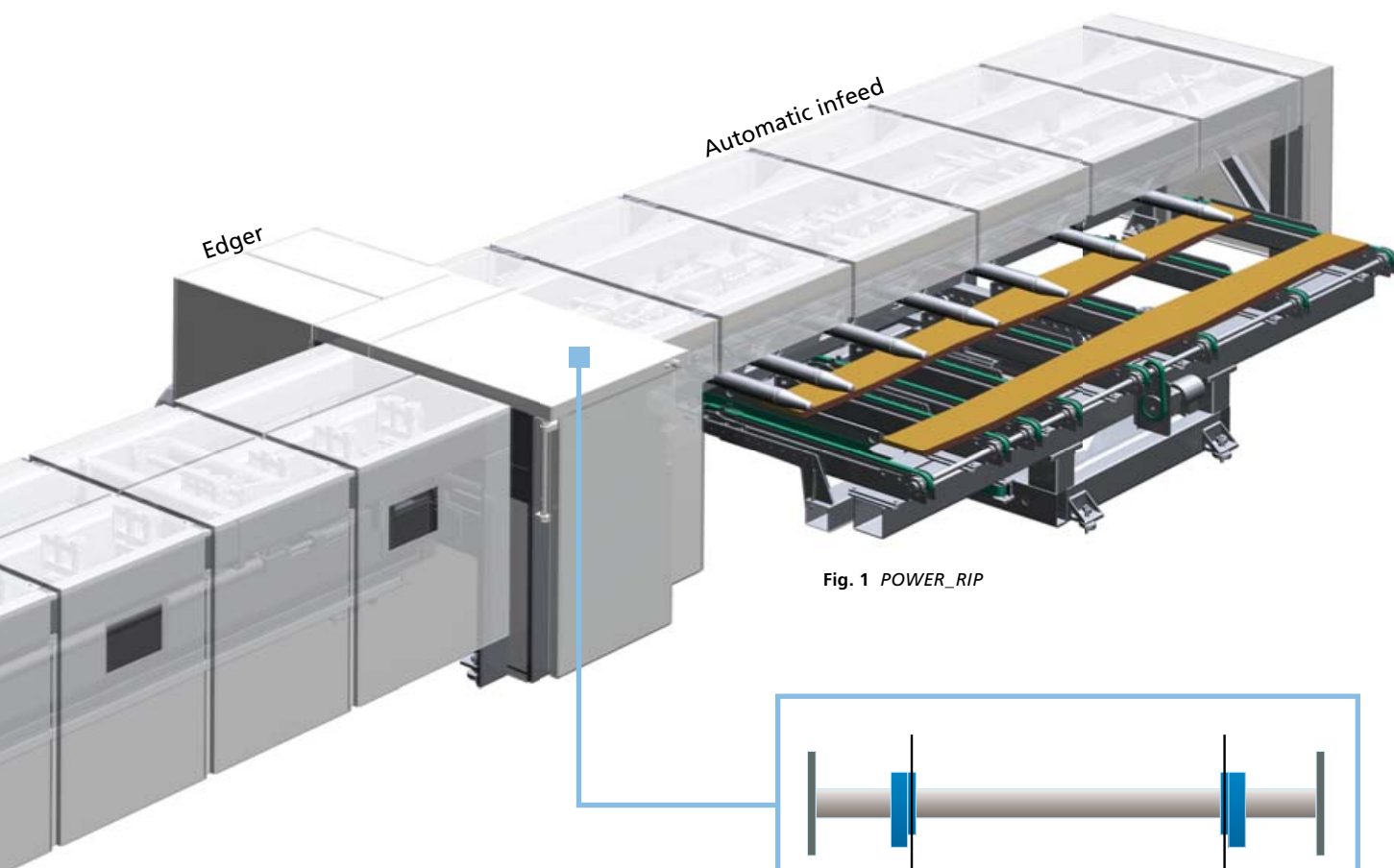


Fig. 1 POWER\_RIP



Fig. 2 Saw shaft with two moving saw bushes



## TECHNICAL DATA

Board lengths	1200 mm - 6000 mm
Maximum working width	500 / 750 / 1000 mm
Maximum cutting height	50 / 100 mm
Saw blade diameter	350 / 430 mm
Feed speed	200+ m/min.
Throughput rate	30+ boards/min.
Driving power of saw shafts	max. 200 kW
Speed of saw shafts	4000 rpm.
Movable saw bushes	2 in edger max. 4 in rip saw
Measuring system	Triangulation measurement (standard) Scanner (option)

# EDGING AND RIPPING OPERATION

Fig. 4 Top view of POWER\_RIP

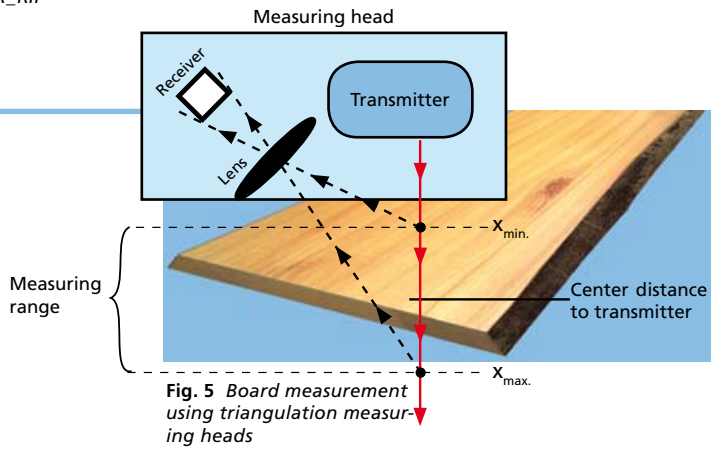
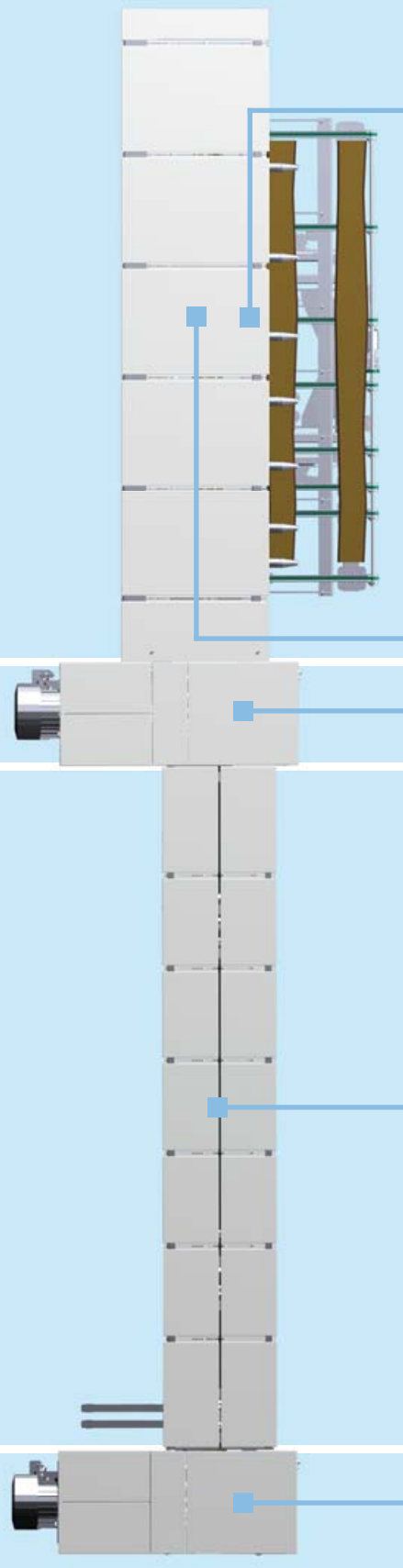


Fig. 6 Alignment of waney-edged boards in the automatic infeed system



Fig. 7 Board edging in the edger



Fig. 8 Separation of boards and edgings by the offcut separator



Fig. 9 Ripping of square-edged boards in the rip saw