

DR. FRITSCH

SONDERMASCHINEN

Tension rolling and testing machine SWP 116



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TECHNICAL SPECIFICATION

SWP 116

DESIGN AND FUNCTIONING

- solid and torsion-free welded construction
- solid rolling mechanism with precisely guided rolling wheels
- rolling and testing position is vertical and takes place in the same position, i.e. no need to move the blade.
- easy control of rolling process thanks to outer rolling wheels.
- machine and hydraulic system require low maintenance

A well-established working principle which is easy to learn and permits a fast, exact and smooth tensioning of the cutting wheels. The possibility to reproduce the cutting wheel tension is the particularly interesting point here.

The cutting wheel is fixed onto the corresponding centring pin. Then the exact running of the blade is checked and, if required, rectified by means of a hammer. Afterwards, the tension of the cutting wheel is checked. By using the hydraulic, the rolling wheels are pressed against each other with the pre-selected pressure and the tensioning area is rolled to the required exact specification.

TECHNICAL DATA

Total power absorbed:	7 kVA
Supply voltage:	3 x 400 V, 50/60 Hz
(other voltages are possible upon request)	
Power consumption:	3 x 10 A
Fuses (to be provided by the customer)	3 x 16 A
Compressed air:	
- consumption:	approx. 1 l/min., depending on process
- pressure:	4 – 6 bar
Rolling:	
- diameter to be rolled:	min. 260 mm; max. 1600 mm
- rolling force	max. 47 kN
- rolling speed	approx. 12 m/min.
Cutting wheel diameter range:	up to 2200 mm
Tension reducing min.-max.:	Ø 290 – Ø 1600 mm
Tension increasing min.-max:	Ø 490 – Ø 1600 mm
Testing:	
- diameter of excursion point:	min. 300 mm; max. 1720 mm
- diameter of measuring point:	min. 200 mm; max. 1900 mm
Dimensions of the machine:	length: approx. 2.560 mm width: approx. 845 mm height: approx. 2.305 mm
Weight:	approx. 1.300 kg

Interface to customers' PC necessary

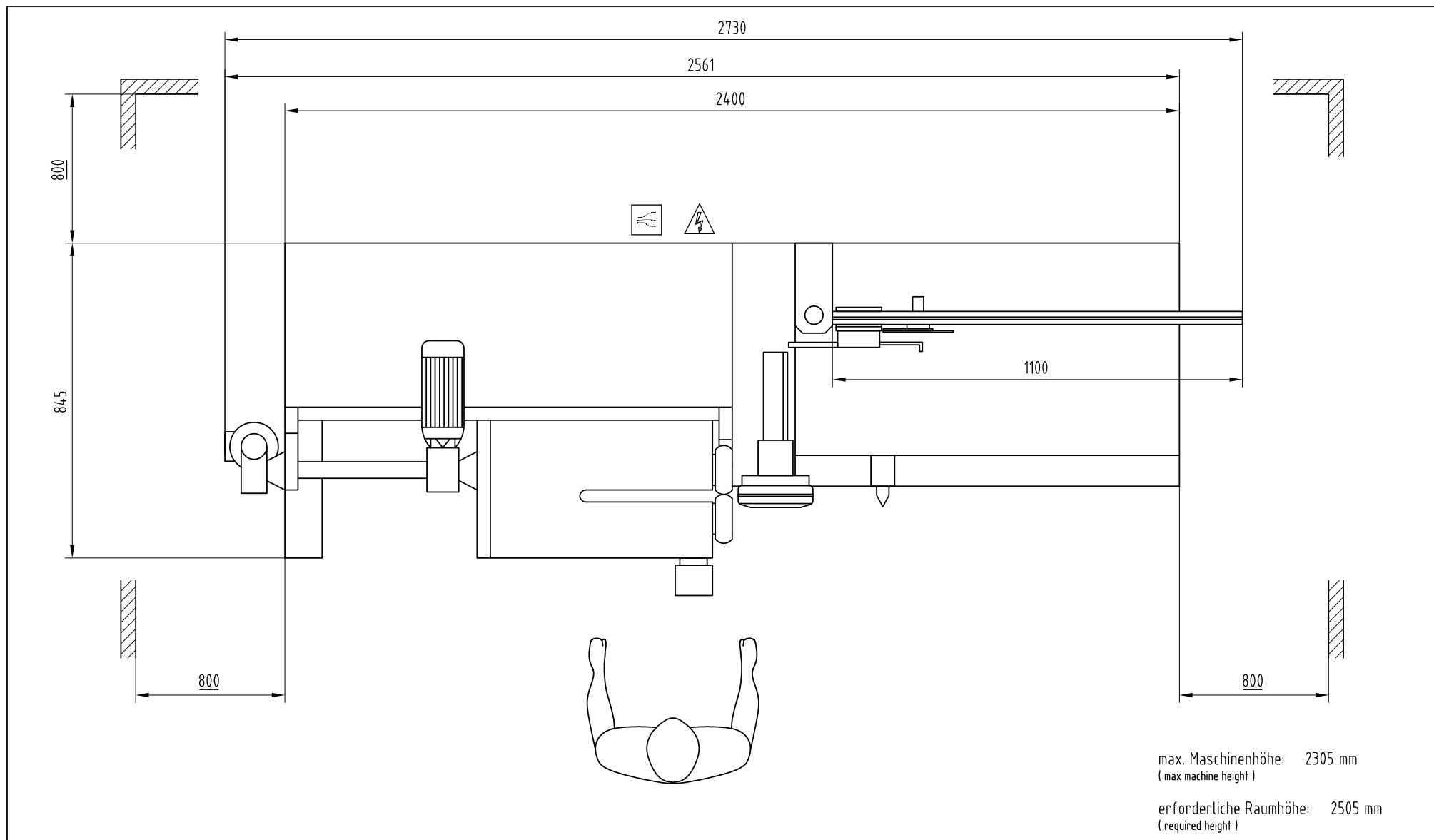
Three measurable variables will be determined and shown on the display:

- ⇒ rotation angle of the blade
- ⇒ deflection of the measuring tracer to determine the wobble and the tension of the blade
- ⇒ angle between the application of force and the measuring tracer

PC / technical data (to be provided by the customer):

- PC with PCI SLOT for the ADDI-DATA counter board
- Windows 2000 or Windows XP
- Local administrator rights
- Microsoft.NET-Framework

- Subject to modifications of technical data and design -



Symbol	Bedeutung (meaning)	Symbol	Bedeutung (meaning)	15 cm ---	0\ZA2\ Z9775	AUFSTELLPLAN layout plan
	Elektrik (electricity)		Gas (gas)		Beorz. Datum Name 11.06.2001 JUNG	
	Pneumatik (pneumatic)		Wand (wall)	Norm	Maschinen Typ : SWP 116 machine type :	
	Kuehlwasser (cooling water)		Arbeiter (operator)	DR. FRITSCH Sondermaschinen GmbH 70722 Fellbach	Zeichnungs Nr.: 9L APL 001 01	