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# IUT Beyeler

Ing. Unternehmen für Umwelt und Technik

Mitglied  BDSV

## HYDRAULIC SCRAP SHEAR TAURUS 600 tons





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Details after Revision!



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## Technical / Commercial Information

### **Hydraulic Scrap Shear Type TAURUS 600 t, E 663.D1E**

- ⇒ Year of construction: 2003
- ⇒ Condition: used, approx. 7'000 operating hours
- ⇒ Before delivery the machine will be partly overhauled, i.e.:  
Replacement of:
  - Blade carriage guides
  - Blade hubsas well as new support cap, cover sheets for cylinders as well as general welding and repairing
- ⇒ Machine can be setting up very easy (base plate, HEB frame or the like)
- ⇒ Delivery incl. accessories:
  - HF Radio Control
  - Loading hopper 6.0 x 2.3 m (see section 8)
- ⇒ Available approx. October 2011
- ⇒ Low price

#### **1 Shear Ref. C602P**

- ⇒ Shear cylinder: Ref. K3225
- ⇒ Shearing force: 600 tons (5'900 kN)
- ⇒ Cut width: 0.95 m
- ⇒ Cut height: 0.65 m
- ⇒ Clamp: Ref. H18E
- ⇒ Clamp cylinder: 1 piece, Ref. CL1812.03F
- ⇒ Clamp force: 90 tons
- ⇒ Number of shear strokes: 4 - 5 min<sup>-1</sup>
- ⇒ Automatic lubrication

#### **2 Pre-compression and feeding box Ref. E2461.33**

- ⇒ Flaps with integrated highly wear-resistant steel.
- ⇒ Dimensions L x W (open box): 6.1 x 2.4 m
- ⇒ Dimensions W x H (closed box): 0.88 x 0.6 m
- ⇒ Hydraulic cylinders for each flap: 3 pieces, Ref. LE1812.F1
- ⇒ Maximum side compression force (for each flap): 300 tons (3'000 kN)

#### **3 Feeding Ref. K25F.06**

- ⇒ Feeding-baling cylinder: Ref. K2518F.06
- ⇒ Maximum baling force: 160 tons (1'600 kN)



<b>4</b>	<b>Hydraulic unit</b>	<b>Ref. D1E.1044</b>
⇒	Variable displacement piston pumps:	Ref. 2 x HPR160D
⇒	Pumps for fast gear:	Ref. 2 x 4D250
⇒	Oil cooling and oil filtering pump:	Ref. 1 x 4D250
⇒	Servo control pumps:	Ref. 2D30
⇒	Oil tank capacity:	4'000 litres
⇒	"CETOP" Standard directional valves:	Ref. 1044
⇒	"CETOP" Standard relief valves:	DN 32
⇒	Over flow valves:	DN 32
⇒	Full return-line filtration:	25 µm
⇒	External auxiliary filtration:	10 µm
⇒	Separate pilot circuit filtration:	10 µm
⇒	Oil/air cooling:	Ref. 1 x HPA52
⇒	Maximum pressure:	360 bar
<b>5</b>	<b>Electric command unit</b>	<b>Ref. D1E.1044</b>
⇒	Programmable control:	SPS
⇒	Control panel in cabin including: - Emergency stop push button - Manual or automatic machine mode selector - Operating elements for manual or automatic operation	
<b>6</b>	<b>Electric unit</b>	<b>Ref. IEP 200.2</b>
⇒	Main electric motors:	2 x 75 kW
⇒	Piloting motor	1 x 4.0 kW
⇒	Cooling motor	1 x 5.5 kW
⇒	Fan motor	1 x 0.75 kW
⇒	Oil heating (option, not included)	8 kW
⇒	Control cabinet with contactor control for automatic star-/delta connection	
<b>7</b>	<b>Operator's cabin</b>	<b>Ref. 1515.P3</b>
⇒	Outside dimensions of cabin:	1.5 x 1.5 m
⇒	Stair, platform as cover over hydraulic unit incl. railing and foot protection	
<b>8</b>	<b>Loading hopper (option, included)</b>	<b>Ref. K60</b>
⇒	Lifting cylinder:	Ref. C1210.F1
⇒	Dimensions L x W:	6.0 x 2.3 m
⇒	Independent support frame	
⇒	Control via PLC and electrical control	
<b>9</b>	<b>Dimensions / Data</b>	<b>Ref. E663P-D1E</b>
⇒	Length over all:	15.5 m
⇒	Width incl./excl. loading hopper:	5.5 m / 3.3 m
⇒	Total weight excl. hopper:	90 t
⇒	Output with mixed scrap:	11 - 15 t/h