



Postfach 55, CH-3700 Spiez
Telefon 033 437 47 44
Fax 033 437 70 73
Tel. int. (0041) 33 437 47 44
www.iutbeyeler.com
iut@iutbeyeler.com

IUT Beyeler

Ing. Unternehmen für Umwelt und Technik

Mitglied **BDSV**

HYDRAULIC SCRAP SHEAR TAURUS 700 tons





Technical / Commercial Information

Hydraulic Scrap Shear Type TAURUS 700 t, K 763.B1E

- ⇒ Year of construction: 2005
- ⇒ Condition: used
- ⇒ Accessories:
 - HF Radio Control
 - Loading hopper 6.0 x 2.45 m (see section 8)
 - Noise protection / coldness insulation hydraulic chamber
- ⇒ Low price

1 Shear Ref. C702P

- ⇒ Shear cylinder: Ref. K3528
- ⇒ Shearing force: 700 tons (6'920 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⁻¹
- ⇒ Automatic lubrication

2 Pre-compression and feeding box Ref. K2461.33

- ⇒ Flaps with integrated highly wear-resistant steel.
- ⇒ Dimensions L x W (open box): 7.1 x 2.4 m
- ⇒ Dimensions W x H (closed box): 0.88 x 0.6 m
- ⇒ Hydraulic cylinders for each flap: 2 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)

4 Hydraulic unit Ref. B1E.0844

- ⇒ Variable displacement piston pumps: Ref. 2 x HPR160D
- ⇒ Pumps for fast gear: Ref. -
- ⇒ Oil cooling and oil filtering pump: Ref. 1 x 4D250
- ⇒ Servo control pumps: Ref. 2D30
- ⇒ Oil tank capacity: 3'000 litres
- ⇒ "CETOP" Standard directional valves: Ref. 0844



- ⇒ "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

5 Electric command unit **Ref. EB1L.0844**

- ⇒ 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

6 Electric unit **Ref. IEP 150.2**

- ⇒ Main electric motors: 2 x 55 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

7 Operator's cabin **Ref. 1515.P2**

- ⇒ Outside dimensions of cabin: 1.5 x 1.5 m
- ⇒ Stair, platform as cover over hydraulic unit incl. railing and foot protection

8 Loading hopper (option, included) **Ref. K60**

- ⇒ Lifting cylinder: Ref. C1210.F1
- ⇒ Dimensions L x W: 6.0 x 2.45 m
- ⇒ Independent support frame
- ⇒ Control via PLC and electrical control

9 Dimensions / Data **Ref. K773-B1E**

- ⇒ Length over all: 15.0 m
- ⇒ Width incl./excl. loading hopper: 5.5 m / 3.3 m
- ⇒ Total weight excl. hopper: 95 t
- ⇒ Output with mixed scrap: 11 - 19 t/h