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Mitglied **BDSV**

IUT Beyeler AG

Ing. Unternehmen für Umwelt und Technik

HYDRAULC SCRAP SHEAR TAURUS 700 tons

Current pictures of the machine!





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Technical / Commercial Information

Hydraulic Scrap Shear Type TAURUS 700 t, Type H763.L1E

- ⇒ Year of construction 2005
- ⇒ **Extremely fast machine, equipped with high performance pumps!**
- ⇒ Condition: Machine in excellent condition
continues maintenance by customer/IUT Beyeler AG
Last revision:
 - blade cylinder honing and new seals
 - all 6 wing cylinders honing and new seals
 - feed cylinder new bushes and new seals (winter 2015/16)
 - new blade holders and new blade seals (spring 2016)
- ⇒ Machine can be inspected in operation on site Switzerland. Available from May 2016
- ⇒ Interesting price!

1 Shear Ref. C 702P

- ⇒ Shearing force: 6'950 kN (2 x 3'475 kN)
- ⇒ Cut width: 850 mm (blade 900 mm)
- ⇒ Cut height: 650 mm
- ⇒ Tamper force: 900 kN
- ⇒ **Extremely fast machine, equipped with high performance pumps!**
- ⇒ Number of shear strokes: 6 - 7 min⁻¹
- ⇒ Central lubrication system: incl.

2 Feeding box Ref. K 2461.33

- ⇒ Dimensions L x W (open box): 6.1 x 2.4 m
- ⇒ Dimensions W x H (closed box): 0.78 x 0.6 m
- ⇒ Number of cylinders right side (filling cover): 3 pieces
- ⇒ Number of cylinders left side (pressing cover): 3 pieces
- ⇒ Max. cover force left side: 3'000 kN
- ⇒ Max. cover force right side: 3'000 kN
- ⇒ Feeding cylinder: 1'500 kN
- ⇒ Central lubrication system: excl.

3 Hydraulic unit Ref. L1E.1044

- ⇒ Main drive motors: 4 pieces
- ⇒ Drive power: 2 x 75 kW / 2 x 55 kW
- ⇒ Main pump LINDE HPR 160D: 4 + 4 pieces
- ⇒ Operation pressure: 360 bar
- ⇒ Servo control motor/pump: 1 piece
- ⇒ Drive power: 4.0 kW



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- ⇒ Cooling circuit motor/pump: 1 piece
- ⇒ Drive power: 5.5 kW
- ⇒ Fan motor: 2 pieces
- ⇒ Drive power: 0.75 kW
- ⇒ Oil filtration "in-line": 25 µm
- ⇒ Oil filtration "out-line": 10 µm
- ⇒ Oil filtration "pilot control circuit": 10 µm
- ⇒ Oil tank: 6'000 l
- ⇒ Differential gearshift blade cylinder: incl.
- ⇒ Quick release blade back movement: incl.
- ⇒ Quick release feeding cylinder: incl.

4 Electric command unit

Ref. L1E.1044

- ⇒ Microprocessor: SIEMENS 7-200
- ⇒ Voltmeter: incl.
- ⇒ Ampere meter: incl.
- ⇒ Limit switch position display: incl.
- ⇒ Valve actuating display: incl.
- ⇒ Cut refusal: incl.
- ⇒ Adjustment of cut length (t): incl. (150 mm – approx. 2.0 m, continuous)
- ⇒ Adjustment of cut length (cm): incl. (10 cm – approx. 2.0 m, in steps of 10 cm each)
- ⇒ Changeover manual/automatic: incl.
- ⇒ Changeover high/low pressure: incl.
- ⇒ Briquetting: incl. (manual ejection)
- ⇒ HF Radio Control: option incl.

5 Performance

- ⇒ **Extremely fast machine, equipped with high performance pumps!**
- ⇒ Mixed scrap: 14 - 28 t/h

6 Dimensions / Data

- ⇒ Length over all: 16.5 m
- ⇒ Width: 3.5 m
- ⇒ Height: 4.4 m
- ⇒ Total weight: 102 t