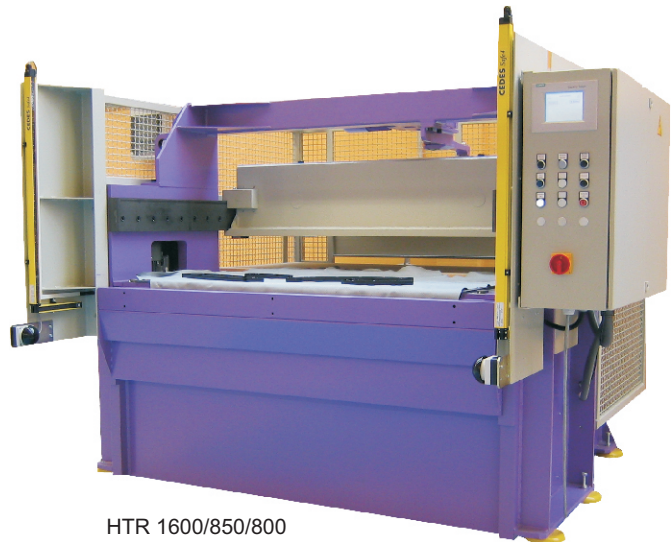


Hydraulic cutting machine - Typ HTR



HTR 1600/1050/1000



HTR 1600/850/800

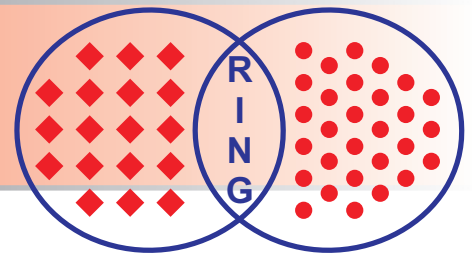


RING Maschinenbau GmbH & Co. KG

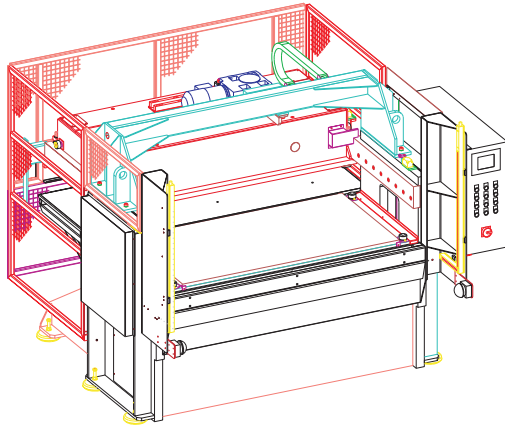
Adam-Müller-Straße 74, 66954 Pirmasens, Tel.: +49 (0) 6331 5181-0 Fax: +49 (0) 6331 92422

e-mail: kontakt@ring-perforating.de

homepage: www.ring-perforating.de - www.ring-stanztechnik.de



Hydraulic cutting machine HTR



Our series cutting machines

HTR

combine high-precision cutting and easy handling of all operating elements.

Operative range:

Cutting, stamping, embossing, perforating and kiss-cutting of materials such as leather, paper, foil, textiles, cardboard, plastics, rubber etc. We have the right solution for any industrial application.

At the same time, cutting against a hardened steel plate with utmost precision is possible.

The intention is to unite our experience in the field of cutting, perforating and embossing in the development of a modular-built machine concept for the benefit of our customers.

Our main aim was to create a perfected product which is efficient, reliable and profitable and which is in the position to adapt to any individual purpose at the same time.

This line of products meets any requirements in regards to cutting power, stroke, speed, passage height, passage width, useful cutting area, minimized connected load and operating and maintenance convenience.

The machine's features are reversible beam, sliding tables, low point limit stops, heating plates, 2-level pressure, automatic adjustment to cutting die height, automatic adjustment of cutting depth and cutting plate sliding oscillation equipment.

Our system offers any possibilities as well as integration in an existing line or new conception of complete lines.

The series cutting machines are flexible - we are as well!

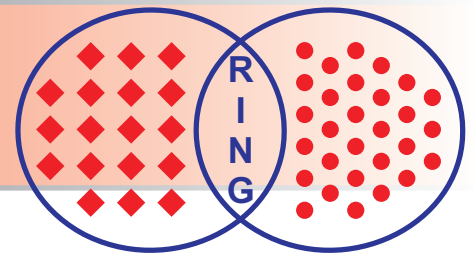
By request of the customer we will create a convenient machinery-concept, which is so individual to come up to customer's expectations.

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Technical features:

- ⇒ hydraulic upstroke cutting machine with receding beam
- ⇒ extremely solid welded steel construction
- ⇒ modular- built design, stroke movement and cutting force are provided via two hydraulic cylinders installed underneath the cutting table
- ⇒ upstroke table guidance via additional solid column in table center
- ⇒ beam travel is powered by a motorically driven flywheel
- ⇒ beam guidance via carrier and slide rollers
- ⇒ low point limitation via 4 motorically driven low point limit stops, synchronously adjustable, allow the cutting dies to penetrate the material precisely without hindering the working process.
- ⇒ hydraulic power unit consisting of, 2- cycle hydraulic pump, flywheel and driven motor, valve block with standard valves and oil pan standing separate from the machine
- ⇒ automatic adjustment to cutting die high via tip key, corrections in steps of 1/10 mm
- ⇒ electric switch- off when reaching low point position
- ⇒ stroke infinitely adjustable via linear potentiometer
- ⇒ PLC controls and operator's panel, menue guadiance, clear text display, operating and control elements at the right hand side of the machine
- ⇒ safety light curtain for protection and cutting stroke release
- ⇒ cutting stroke release selectable via 1- cycle, 2- cycle, 3- cycle operation or via push button
- ⇒ machine is built according to the CE- rules

What are the expectations and requirements in your production?

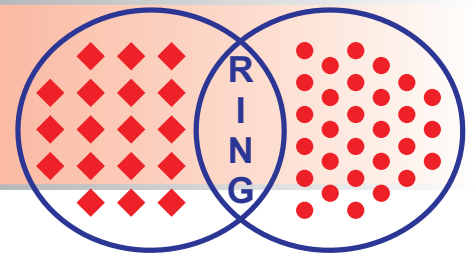
Please contact us in order to find a common solution so that we can submit an offer based on your requirements.

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Technical data:

	<u>HTR</u> <u>1200/850/630/A</u>	<u>HTR</u> <u>1600/850/800/A</u>	<u>HTR</u> <u>1600/1050/1000/A</u>
table width	1200 mm	1600 mm	1600 mm
table depth	850 mm	850 mm	1050 mm
table height without cutting board	950 mm	950 mm	950 mm
cutting force	630 kN	800 kN	1000 kN
drive lane, beam daylight	880 mm min. 25 mm- max. 200 mm	880 mm min. 25 mm- max. 200 mm	1080 mm min. 25 mm- max. 200 mm
working stroke	15 - 175 mm	15 - 175 mm	15 - 175 mm
hoisting speed	71 mm/s	71 mm/s	71 mm/s
cutting speed	29/ 3,6 mm/s	23/ 2,8 mm/s	23/ 3,2 mm/s
cutting speed, return	49 mm/s	34 mm/s	34 mm/s
beam- driving- length	1,5 s	2,0 s	2,0 s
height of safety light curtain	750 mm	750 mm	750 mm
overall width	2100 mm	2600 mm	2600 mm
overall depth	2500 mm	2500 mm	2900 mm
overall height	2000 mm	2000 mm	2000 mm
motor drive, hydraulic	4,0 kW	5,5 kW	5,5 kW
oil require	200 Liter	200 Liter	200 Liter
operating voltage	5,5 kW	7,0 kW	7,0 kW

optional: without low point stops

By request further dimensions are available

Accessories:

- automatic cutting board oscillation
- stationary cutting die holding brackets
- adjustable cutting die holding brackets
- operator's lamp
- steel cutting boards



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