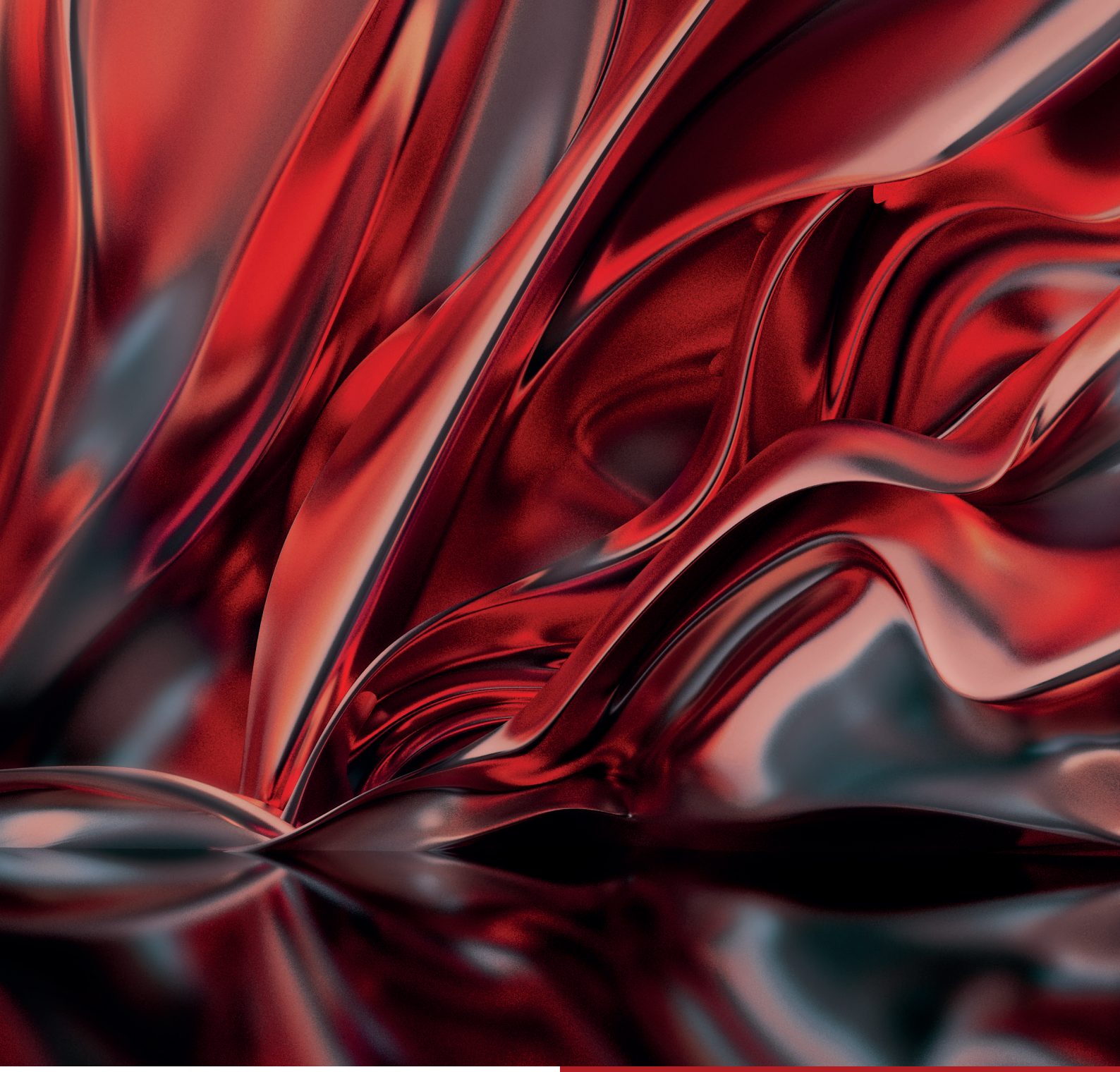


invernizzi presse

WE WORK BEST UNDER PRESSURE

PMK
NKN
NKN-B

invernizzi.com

PMK 160

Link Lever transfer press able to draw 140 mm at 50 stroke/min. The transfer bars adjustable opening is controlled by a servo motor. Zig zag electronic 3 position feeder. To highlight is the advanced vertical stripper and hold down guiding system.

The press is equipped with a rapid transfer tool exchange.

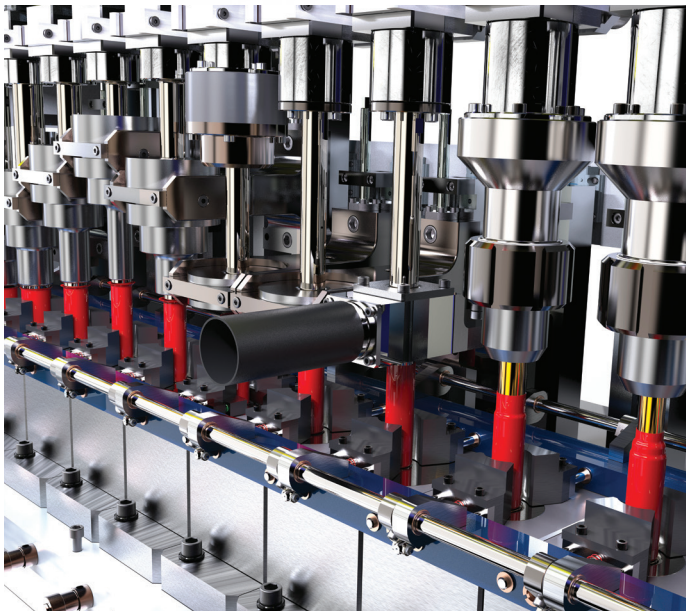
PMK SERIES

Open end up LINK LEVER transfer press. The LINK LEVER is an four-arms driving gear that allows to reduce the punches speed during drawing operations solving several problems such as:

- Increases the quality of the finished parts
- Increases tool life
- Reduce the material stress
- Increases the productivity

The single ram is guided with pre charged roller guides that guarantees an extreme high accuracy and a play free movement. The tonnage range is from 600 kN to 2500 kN. PMK Series transfer allows a higher drawing ratio and the possibility of auxiliary operation such as trimming, flanging, piercing, rolling, lettering etc.

Complete automatic production exchange.
All the adjustment of the Hold-Down, the pressure arm and the punch height in the press control are stored and settable automatically from HMI from tool recipe menu.



OUR OWN TECHNOLOGY

The process we have internally designed and developed for the production allows our transfer presses to achieve a deep drawing of the parts starting from strip.
The production has never been so fast!

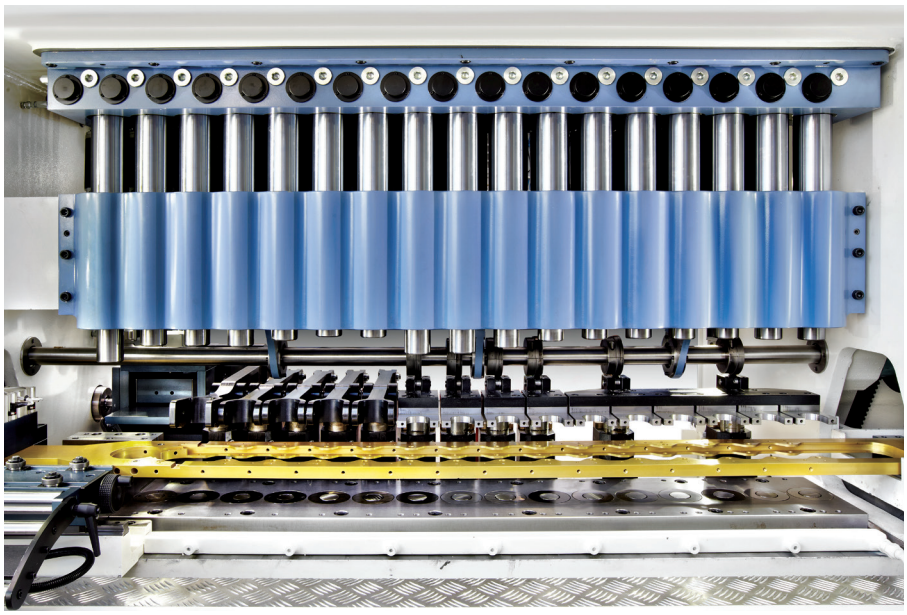
BENEFITS OF OUR EXCLUSIVE TECHNOLOGY

Thanks to the Invernizzi Presse's cutting-edge technology you will be able to make various range of product, allowing you to obtain maximum precision with more rationalized production costs.

NKN SERIES

Open end up multiple ram cam press. The main characteristic of this Series is the possibility to be equipped with Platarg tool sets, with a higher number of stations. NKN Series transfer allows a higher drawing ratio and the possibility of auxiliary operation such as trimming, flanging, piercing, rolling, lettering etc.
All the maintenance areas are easily reachable from wide opening on the front and the back of the press.

Complete automatic production exchange.
All the adjustment of the Hold-Down, the pressure arm and the punch height in the press control are stored and settable automatically from HMI from tool recipe menu.

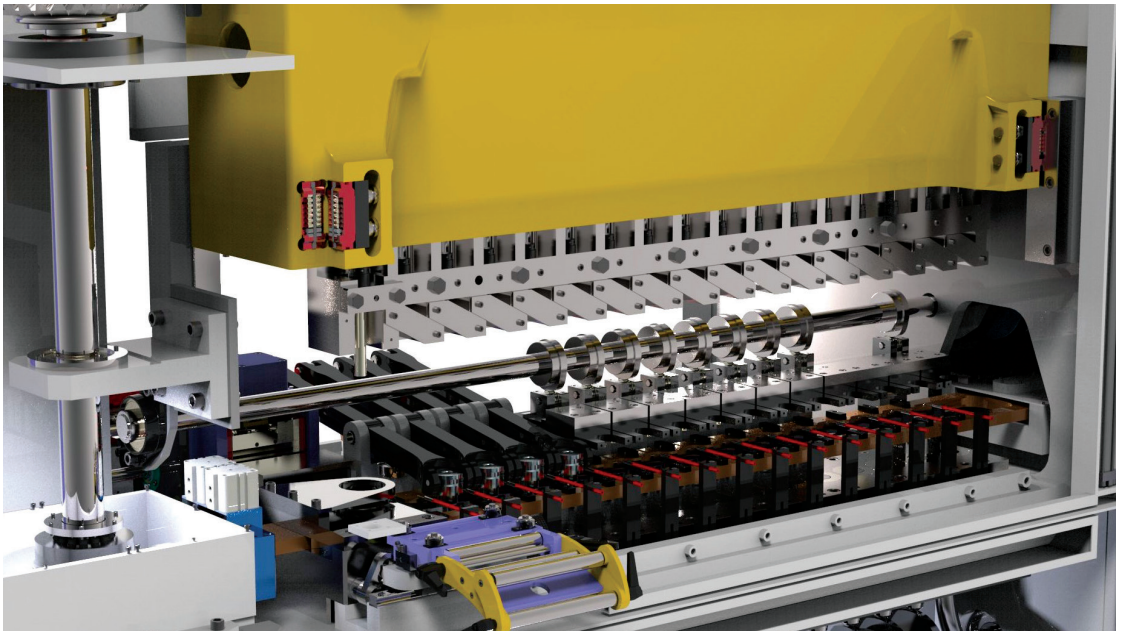


+ PRODUCTIVITY
Our high-performance equipment and advanced software increase daily productivity over other conventional production lines.

+ RELIABILITY
Reducing the number of necessary machines significantly means reducing the risk of anomalies and/or malfunctions. The top quality standard of Invernizzi presses is an added value in terms of reliability.

- PRODUCTION TIMES
Less machines needed for each production resulting in a major rationalization of manufacturing times.

+ ENERGY EFFICIENCY
Optimization of the production process with no intermediate treatments or cost of fluid disposal.



NKN–B SERIES

Open end up multiple stations cam driven press.
The single ram is guided with pre charged roller guides that guarantees an extreme high accuracy and a play free movement. If needed the press can be equipped with blank and cup station operated by a shaft driven by press main drive. Power shaft for secondary operations can be positioned in the rear or the front of the machine to guarantee maximum flexibility in working behavior.

NKN–B Series transfer allows the use of screw chuck punch holders of the use of US Baird tool holding system to ensure customers the possibility to use existing transfer tool sets.

- WASTES

Invernizzi Presse is able to offer the best option for waste optimization with the possibility to provide also customized solutions.
Get the most out of the least!

+ INNOVATION

Always keeping up with the times; all of our machines can be integrated in a 4.0 environment.

START YOUR REVOLUTION

		PMK 612	PMK 616	PMK 817	PMK 1320	PMK 1620	PMK 2022	PMK 2522
PMK Series	approx total capacity	600 kN	600 kN	800 kN	1300 kN	1600 kN	2000 kN	2500 kN
	nominal force at strokes/min	50	50	40	35	35	30	25
	kinetics energy	7 kJ	7 kJ	9,5 kJ	19 kJ	23,5 kJ	29,7 kJ	36,7 kJ
	thrust units	2	2	2	2	2	2	2
	slowing down speed from BDC	50	50	65	80	100	120	140
	number of stations	12	16	17	20	20	22	22
	number of rams	11+1 (slave)	15+1 (slave)	16+1 (slave)	19+1 (slave)	19+1 (slave)	21+1 (slave)	21+1 (slave)
	capacity approximate on each ram	10	10	15	25	35	40	50
	maximum shell height	50	50	65	80	100	120	140
	standard ram pitch	85	85	90	100	105	115	135
	standard stroke mm	140	140	175	216	270	324	380
	double row diameter	78	78	83	95	100	108	127
	shut height	127	127	127	133	222	250	300
	shut height adjustment	+/- 15	+/- 15	+/- 20	+/- 30	+/- 30	+/- 30	+/- 30
	motor	22 kW	25 kW	30 kW	35 kW	40 kW	50 kW	55 kW
	speed range	50-140	50-140	30-100	30-100	25-80	25-70	15-65
	fixed bars with spring fingers	/	/	/	/	/	/	/
	transfer bars opening/fod	20+20	20+20	20+20	25+25	25+25	25+25	30+30
	pressure arm	1	1	1	1	1	1	1
	hold down	3	4	5	5	6	7	8
	lower mechanical extraction	10	14	15	18	18	20	20
	stripper	8	9	9	9	11	12	11
	blank and cup in first station	on request						

		NKN 312	NKN 612	NKN 617	NKN 817	NKN 920	NKN 1020
NKN NKN-B Series	number of stations	12	12	17	17	20	20
	number of ram	11+1(slave)	11+1{slave}	16+1 (slave)	16+1 (slave)	19+1 (slave)	19+1 (slave)
	capacity approximate on each ram	3	8	8	9	10	12
	maximum shell height	27	50	50	65	80	100
	standard ram pitch	63	85	85	90	100	105
	double row diameter	45	78	78	83	95	100
	shut height	95	127	127	127	133	222
	shut height adjustment	+/- 10	+/- 15	+/- 15	+/- 20	+/- 20	+/- 30
	motor	15 kW	20 kW	25 kW	30 kW	35 kW	40 kW
	speed range	50-200	30-140	50-140	30-100	30-100	25-80
	fixed bars with spring fingers	X	X	X	X	X	X
	pressure arm	1	1	1	1	1	1
	hold down	-	3	4	5	5	6
	lower mechanical extraction	11	10	15	15	18	18
	stripper	9	8	10	9	12	11
	blank and cup in first station	-	on request				

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