



PRODUCT CATALOGUE



ABOUT US

We have been serving in the machining and machinery sector for many years and have been a solution partner to many companies. With our years of knowledge and expert staff, we have combined our production under the Fröhlich brand. We continue to provide important services and solutions to companies operating in sectors such as automotive, white goods and construction by producing eccentric presses, transfer presses and press lines.

Our company, which attaches great importance to customer satisfaction, product and service quality and R&D investments, designs and manufactures special presses to increase the production capacity and quality of its customers in addition to C type and H type presses.





CNC Lathe



CNC Bohrwerks



CNC Lathe



CNC Milling Machines



CNC Milling Machines



CNC Vertical Lathes





Universal Bohrwerks



Universal Lathe machines



Welding Workshop



Universal Bohrwerks



Universal Lathes



Manuel Bohrwerk





C TYPE ECCENTRIC PRESSES

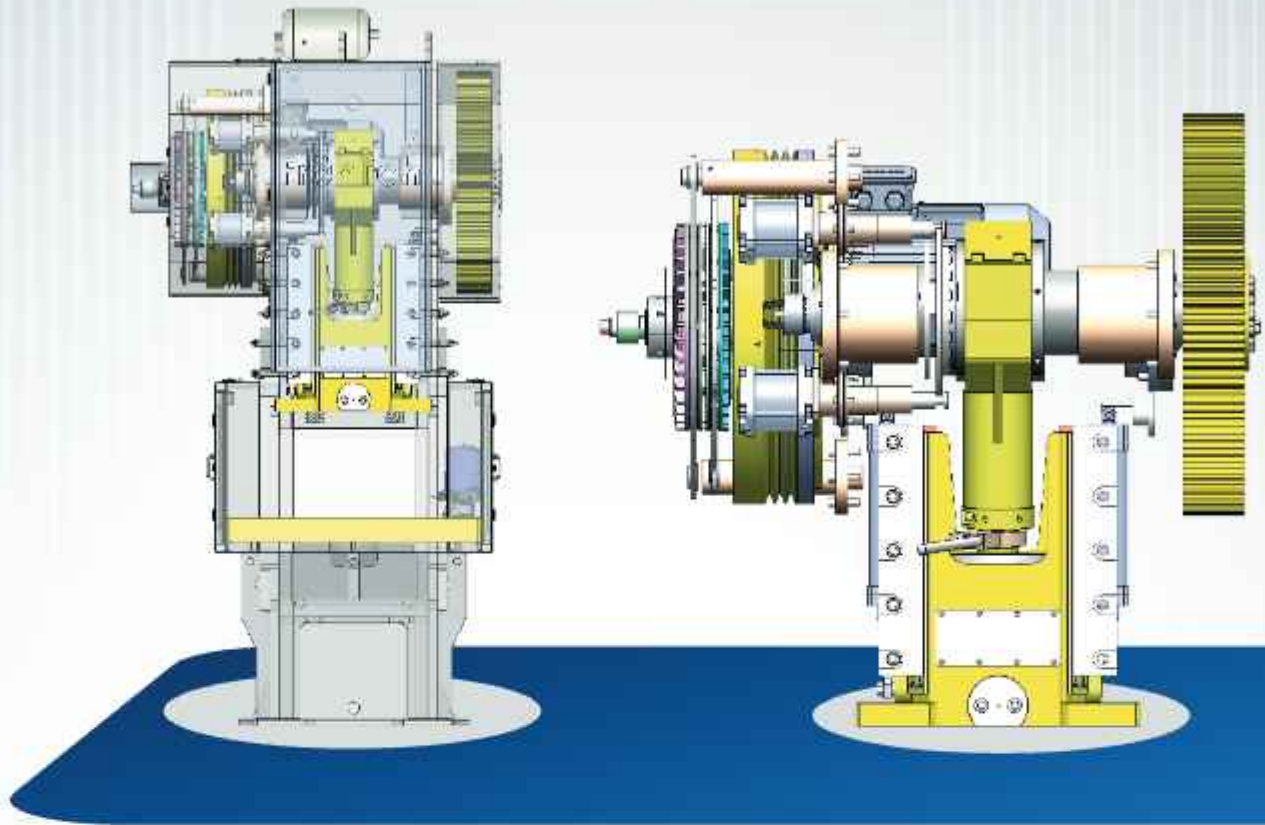
Standard Features

Heat Treated Steel Bodies
 Grinded crank shafts
 Indictioned and Grinded Gear System
 Gear System in Closed Oil Reservoir
 Semi Automatic Stroke Adjustment
 Ram Adjustment System with Ratchet Syst.
 Pneumatic Balancing Pistons
 Pneumatic Clutch & Brake System
 Photocell protected mold area
 Mechanical Overload Control
 Engine Forward Reverse Control System
 Double Coil Press Relief Valve
 Auto Centralized Lubrication Grease Pump

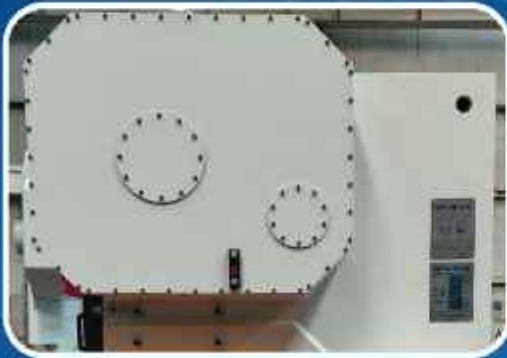
Optional Features

Speed Control Unit
 Additional Plate
 Motorized Ram Adjustment
 Automatic Stroke Adjustment
 Hydraulic Overload Device
 Cushion Unit
 Ram Cushion Unit
 Hydraulic Mold Clamping System
 Mold Loading System
 Antivibration Dampers





Technical Features	Birim	FRC400	FRC600	FRC800	FRC1000	FRC1250	FRC1600	FRC2000	FRC2500
Model									
Press Power	ton	40	60	80	100	125	160	200	250
Adjust Strok (Semi Auto)	mm	5 - 70	20 - 100	20 - 100	20 - 120	20 - 120	20 - 130	20 - 140	20 - 160
Ram Adjusting Range	mm	70	80	80	100	100	100	110	120
Max. Ram Plate Distance	mm	345	410	430	480	480	510	560	610
Max. Closed Die Height	mm	275	310	330	360	360	380	420	450
Speed of Press	spm	130	60	60	60	60	60	60	60
Sliding Qty. of Ram	pcs	6	6	6	6	6	6	6	6
Ram Balancing Pistons	pcs	2	2	2	2	2	2	2	2
Dimentions of Ram Plate	mm	460x310	580x350	580x350	630x450	630x450	680x430	950x600	1050x600
Dimentions of Bolster	mm	700x450	850x570	850x570	1000x620	1000x620	1100x700	1200x800	1300x900
Auto. Lubrication Sys.	-	grease pump	grease pump	grease pump	grease pump	grease pump	grease pump	grease pump	grease pump
Main Motor power	kw	3	5,5	7,5	7,5	11	11	15	18,5
Approx. Weight	kg	2.750	5.000	5.300	7.000	7.500	12.500	14.500	18.000





H TYPE DOBLE CONNECTION ROD PRESSES

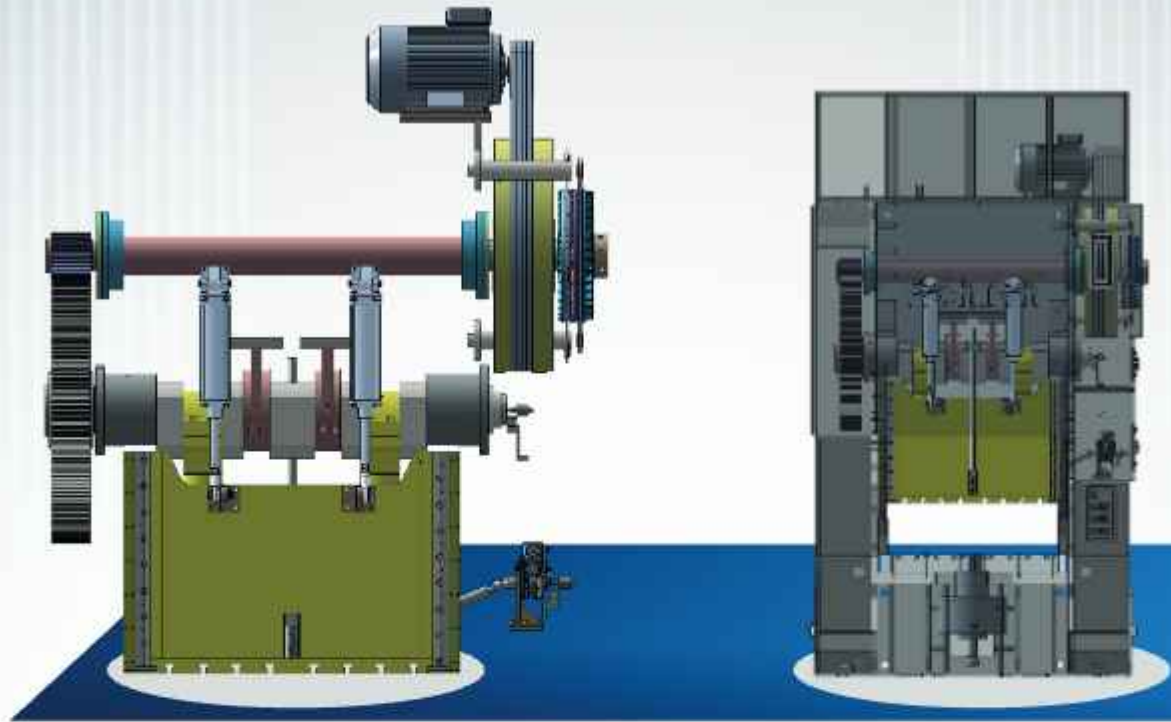
Standard Features

Heat Treated Steel Bodies
 Grinded crank shafts
 Inductioned and Grinded Gear System
 Gear System in Closed Oil Reservoir
 Fixed Stroke
 Motorized Ram Adjustment System
 Pneumatic Balancing Pistons 4 Pcs.
 Pneumatic Clutch & Brake System
 Photocell protected mold area
 Hydraulic Overload Control
 Engine Forward Reverse Control System
 Double Coil Press Relief Valve
 Auto Centralized Lubrication Liquid Pump
 Speed Control Unit
 Pneumatic Cover System Front & Back
 PLC Touch screen Control System

Optional Features

Additional Plate
 Cushion Unit
 Automatic Stroke Adjustment
 Hydraulic Quick Die Change System
 Mold loading Arms
 Ram Cushion Unit
 Spring type Antivibration Dampers





Technical Features	Birim	FRH1000	FRH1500	FRH2000	FRH2500	FRH3000	FRH4000
Model							
Press Power	ton	100	150	200	250	300	400
Fixed Stroke	mm	110	120	150	180	200	240
Ram Adjustment Range	mm	90	90	110	110	120	120
Max. Ram Plate Distance	mm	460	480	600	660	700	840
Max. Closed Mold Height	mm	350	360	450	480	500	600
Speed of Press	spm	60	60	60	60	60	60
Sliding Qty. of Ram	pcs	8	8	8	8	8	8
Qty. Crank Shaft	pcs	1	1	1	1	1	1
Qty Connection Rod	pcs	2	2	2	2	2	2
Ram Balancing Pistons	pcs	4	4	4	4	4	4
Side window width	mm	400	520	520	570	620	820
Ram Plate Dimension	mm	1000 x 500	1200 x 700	1250 x 750	1300 x 800	1500 x 900	2000 x 1100
Bolster Plate Dimension	mm	1000 x 600	1200 x 800	1250 x 800	1300 x 900	1500 x 1000	2000 x 1200
Recycling Lubrication Syst.	-	Liquid	Liquid	Liquid	Liquid	Liquid	Liquid
Main Motor	kw	11	15	18,5	22	30	37
Approx. Weight	kg	11.000	15.000	18.000	21.000	25.000	30.000





H TYPE SINGLE CONNECTION ROD PRESSES

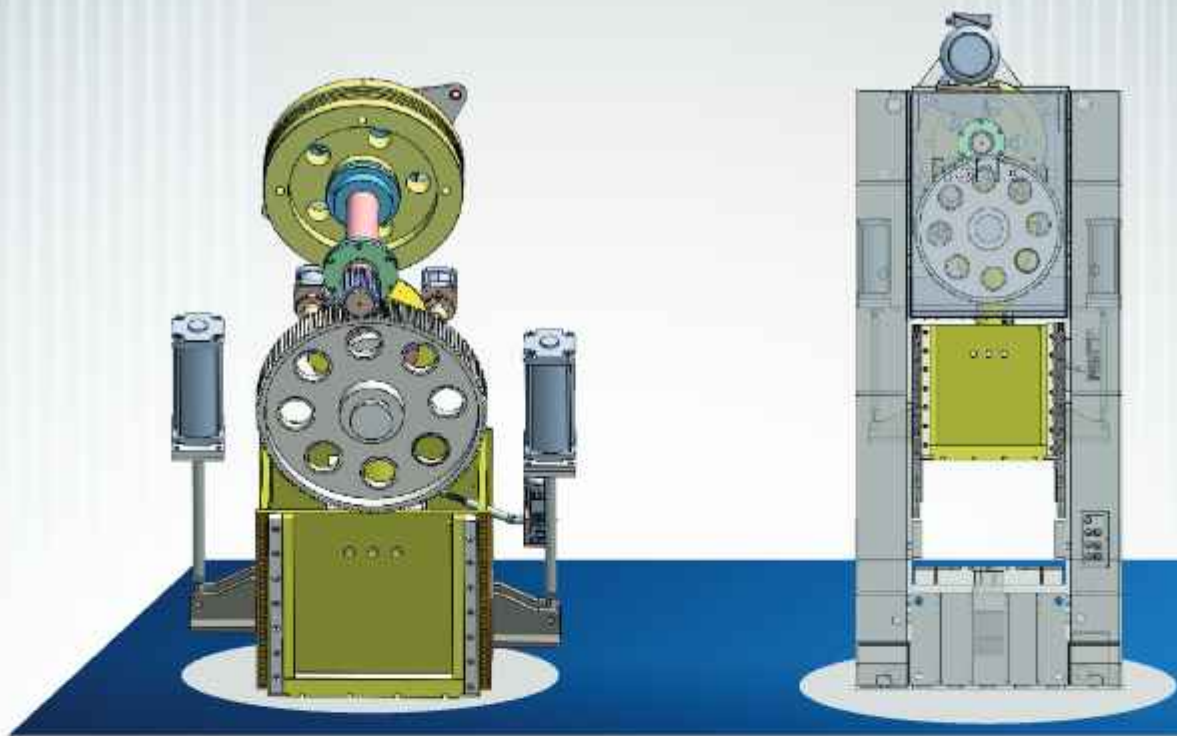
Standard Features

- Heat Treated Steel Bodies
- Grinded crank shafts
- Inductioned and Grinded Gear System
- Gear System in Closed Oil Reservoir
- Fixed Stroke
- Motorized Ram Adjustment System
- Pneumatic Balancing Pistons 4 Pcs.
- Pneumatic Clutch & Brake System
- Photocell protected mold area
- Hydraulic Overload Control
- Engine Forward Reverse Control System
- Double Coil Press Relief Valve
- Auto Centralized Lubrication Liquid Pump
- Speed Control Unit
- Pneumatic Cover System Front & Back
- PLC Touch screen Control System

Optional Features

- Additional Plate
- Cushion Unit
- Automatic Stroke Adjustment
- Hydraulic Quick Die Change System
- Mold loading Arms
- Ram Cushion Unit
- Spring type Antivibration Dampers





Technical Features		Birim	FRHT1000	FRHT1500	FRHT2000	FRHT2500	FRHT3000	FRHT4000	FRHT5000
Press Power	ton		100	150	200	250	300	400	500
Fixed Stroke	mm		110	120	140	150	200	200	250
Ram Adjustment Range	mm		90	100	110	120	120	130	150
Max. Ram Plate Distance	mm		480	520	560	650	700	700	850
Max. Closed Mold Height	mm		370	400	420	500	500	500	600
Speed of Press	spm		120	60	60	60	60	60	60
Sliding Qty. of Ram	pcs		8	8	8	8	8	8	8
Qty. Crank Shaft	pcs		1	1	1	1	1	1	1
Qty Connection Rod	pcs		1	1	1	1	1	1	1
Ram Balancing Pistons	pcs		4	2	2	2	2	2	2
Side window width	mm		380	420	520	600	720	750	
Ram Plate Dimension	mm		845 x 550	1000 x 700	1100 x 800	1200 x 900	1300 x 1000	1300 x 1100	1500 x 1200
Bolster Plate Diemnsion	mm		850 x 750	1000 x 800	1100 x 900	1200 x 1000	1300 x 1100	1300 x 1200	1500 x 1300
Recycling Lubrication Syt.	-		Liquid	Liquid	Liquid	Liquid	Liquid	Liquid	Liquid
Main Motor	kw		11	15	18,5	22	30	37	45
Approx. Weight	kg		8.000	12.500	14.000	18.000	23.500	32.500	40.000





H TYPE DOUBLE CONNECTION PRESSES

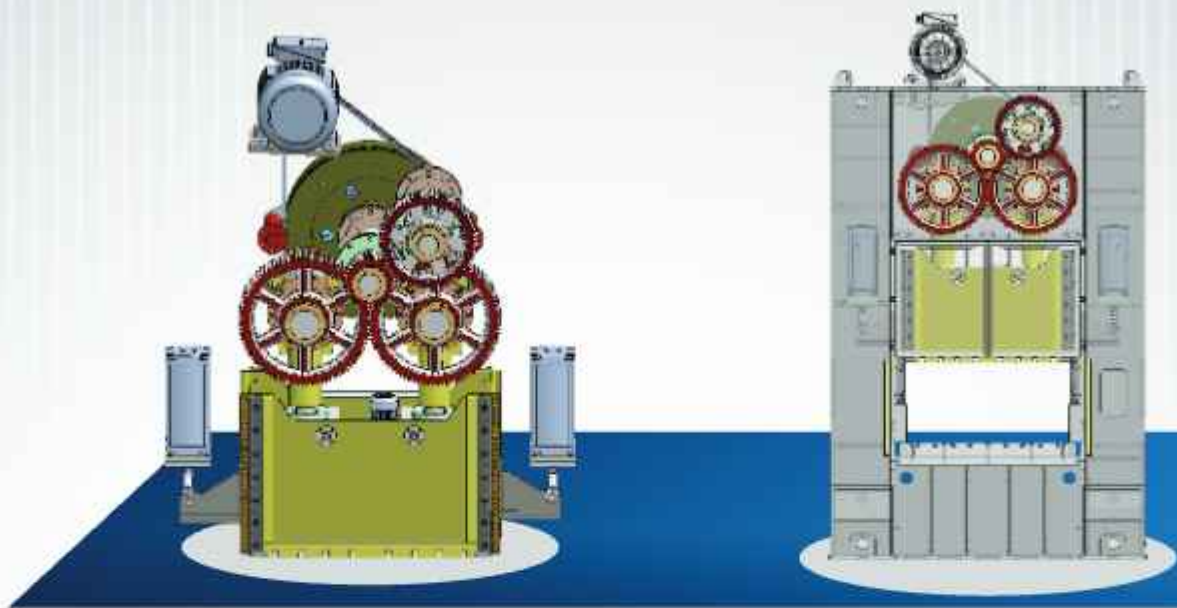
Standard Features

Heat Treated Steel Bodies
 Grinded crank shafts
 Indictioned and Grinded Gear System
 Gear System in Closed Oil Reservoir
 Fixed Stroke
 Motorized Ram Adjustment System
 Pneumatic Balancing Pistons 4 Pcs.
 Pneumatic Clutch & Brake System
 Photocell protected mold area
 Hydraulic Overload Control
 Engine Forward Reverse Control System
 Double Coil Press Relief Valve
 Auto Centralized Lubrication Liquid Pump
 Speed Control Unit
 Pneumatic Cover System Front & Back
 PLC Touch screen Control System

Optional Features

Additional Plate
 Cushion Unit
 Automatic Stroke Adjustment
 Hydralulic Quick Die Change System
 Mold loading Arms
 Ram Cushion Unit
 Spring type Antivibration Dampers





Technical Features		Birim	FRHC2000	FRHC3000	FRHC4000	FRHC5000	FRHC6300
Model							
Press Power	ton		200	300	400	500	630
Fixed Stroke	mm		200	200	250	300	350
Ram Adjustment Range	mm		150	180	200	200	220
Max. Ram Plate Distance	mm		700	750	850	1000	1100
Max. Closed Mold Height	mm		500	550	600	700	750
Speed of Press	spm		60	60	50	50	40
Sliding Qty. of Ram	pcs		8	8	8	8	8
Qty. Crank Shaft	pcs		2	2	2	2	2
Qty Connection Rod	pcs		2	2	2	2	2
Ram Balancing Pistons	pcs		2	2	2	4	4
Side window width	mm		620	720	820	900	900
Ram Plate Dimension	mm		2000 x 900	2200 x 1000	2500 x 1100	3000 x 1300	3000 x 1400
Bolster Plate Diemnsion	mm		2000 x 1000	2200 x 1100	2500 x 1200	3000 x 1500	3000 x 1500
Recycling Lubrication Syt.	-		Liquid	Liquid	Liquid	Liquid	Liquid
Main Motor	kw		30	37	45	55	75
Approx. Weight	kg		37.500	50.000	60.000	80.000	95.000





H TYPE HOT FORGING PRESSES

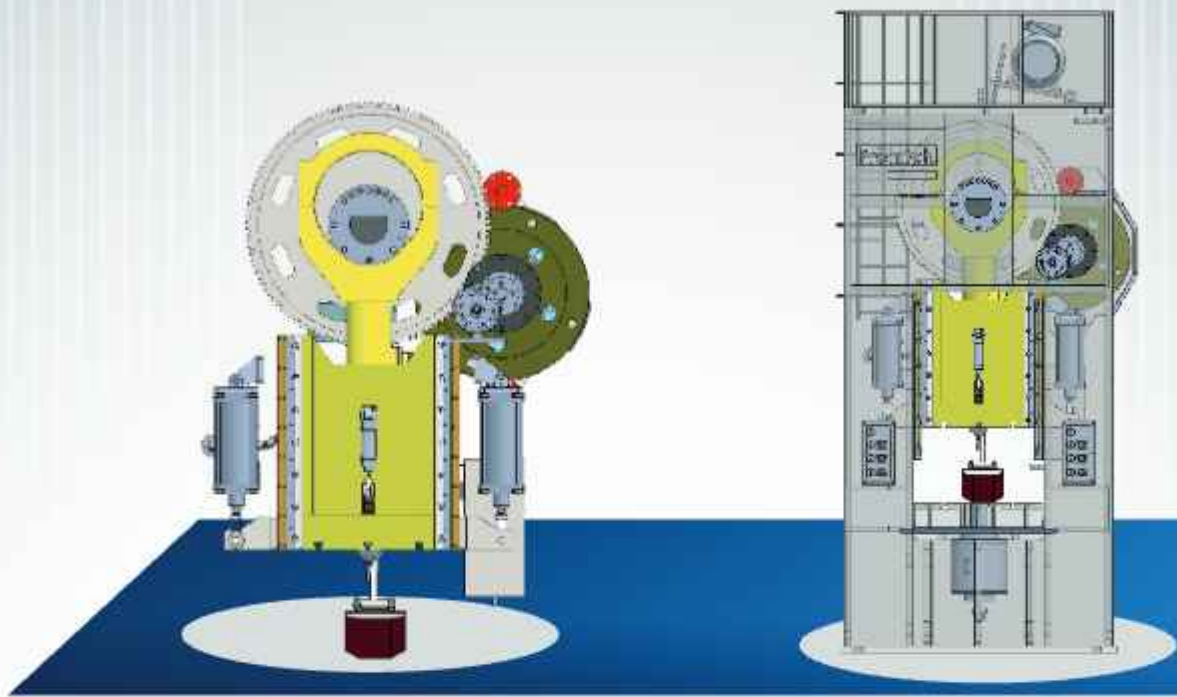
Standard Features

Heat Treated Steel Bodies
 Grinded crank shafts
 Induction and Grinded Gear System
 Gear System in Closed Oil Reservoir
 Fixed Stroke
 Motorized Ram Adjustment System
 Pneumatic Balancing Pistons 4 Pcs.
 Pneumatic Clutch & Brake System
 Photocell protectioned mold area
 Hydraulic Overload Control
 Engine Forward Reverse Control System
 Double Coil Press Relief Valve
 Auto Centralized Lubrication Liquid Pump
 Speed Control Unit
 Pneumatic Cover System Front & Back
 Cushion Unit
 Ram Cushion Unit
 PLC Touch screen Control System

Optional Features

Additional Plate
 Speed Control Unit
 Hydraulic Quick Die Change System
 Mold loading Arms
 Spring type Antivibration Dampers





Technical Features		Birim	FRHD100	FRHD200	FRHD300	FRHD400	FRHD500	FRHD630
Model								
Press Power	ton		100	200	300	400	500	630
Fixed Stroke	mm		140	180	200	300	350	400
Ram Adjustment Range	mm		90	100	120	130	140	150
Max. Ram Plate Distence	mm		540	680	750	950	1100	1250
Max. Closed Mold Height	mm		400	500	550	650	750	850
Speed of Press	spm		120	80	70	60	45	50
Sliding Qty. of Ram	pcs		8	8	8	8	8	8
Qty. Crank Shaft	pcs		1	1	1	1	1	1
Qty Connection Rod	pcs		1	1	1	1	1	1
Ram Balancing Pistons	pcs		2	2	2	2	2	2
Side window width	mm		200	250	300	300	400	400
Ram Plate Dimension	mm		450 x 350	800 x 500	950 x 580	1050 x 600	1200 x 750	1300 x 800
Bolster Plate Diemnsion	mm		450 x 400	800 x 750	950 x 950	1050 x 950	1200 x 1100	1300 x 1200
Recycling Lubrication Syt.	-		grease pump	grease pump	grease pump	grease pump	grease pump	grease pump
Main Motor	kw		15	22	30	37	45	75
Approx. Weight	kg		9.000	15.000	20.000	25.000	32.000	42.000





MECHANIC TRANSFER PRESSES

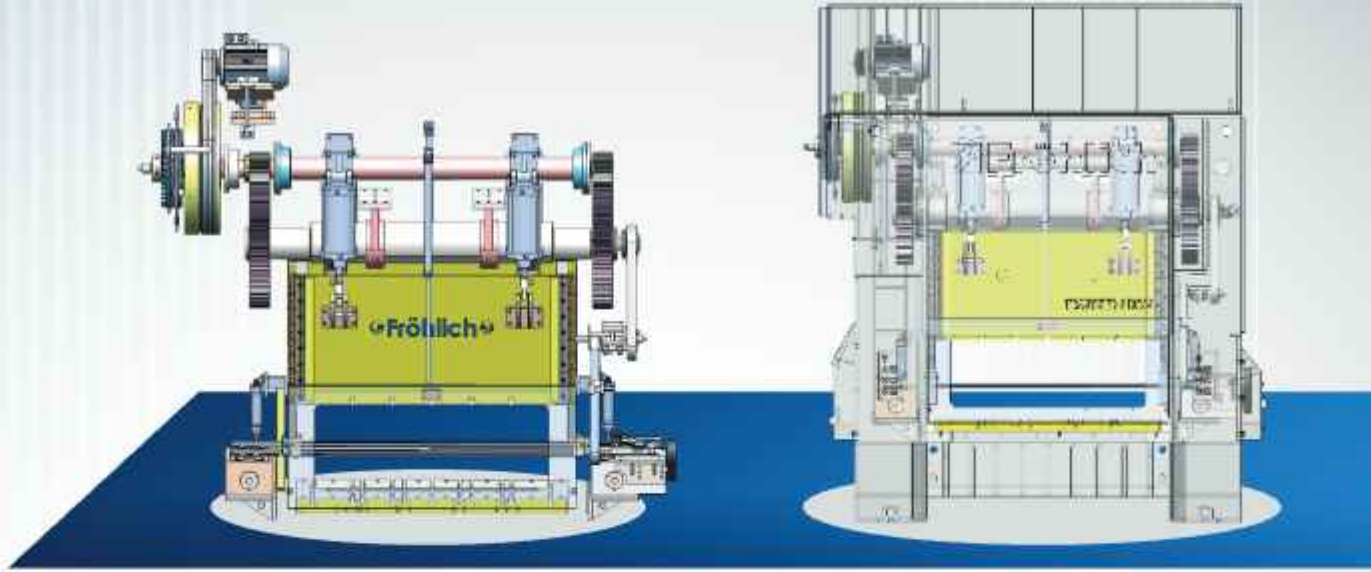
Standard Features

Heat Treated Steel Bodies
 Grinded crank shafts
 Indictioned and Grinded Gear System
 Gear System in Closed Oil Reservoir
 Fixed Stroke
 Motorized Ram Adjustment System
 Pneumatic Balancing Pistons 4 Pcs.
 Pneumatic Clutch & Brake System
 Photocell protected mold area
 Hydraulic Overload Control
 Engine Forward Reverse Control System
 Double Coil Press Relief Valve
 Auto Centralized Lubrication Liquid Pump
 Speed Control Unit
 Pneumatic Cover System Front & Back
 Mechanic Transfer System
 PLC Touch screen Control System

Optional Features

Additional Plate
 Cushion Cam Unit
 Hydralulic Quick Die Change System
 Mold loading Arms
 Spring type Antivibration Dampers





Technical Features		Birim	FRHMT1000	FRHMT1500	FRHMT2000	FRHMT25000	FRHMT4000	FRHMT5000
Model								
Press Power	ton		100	150	200	250	400	500
Fixed Stroke	mm		100	150	150	150	250	300
Ram Adjustment Range	mm		90	120	120	120	120	130
Max. Ram Plate Distance	mm		700	750	750	750	950	1100
Max. Closed Mold Height	mm		600	600	600	600	750	800
Speed of Press	spm		30 - 120	30 - 120	30 - 120	30 - 120	30 - 120	30 - 120
Sliding Qty. of Ram	pcs		8	8	8	8	8	8
Qty. Crank Shaft	pcs		1	1	1	1	1	1
Qty Connection Rod	pcs		2	2	2	2	2	2
Ram Balancing Pistons	pcs		4	4	4	4	4	4
Side window width	mm		600	600	600	750	1000	1200
Ram Plate Dimension	mm		1100 x 670	1700 x 670	1700 x 670	2150 x 670	2500 x 1000	3000 x 1200
Bolster Plate Diemnsion	mm		1100 x 750	1500 x 600	1500 x 600	2050 x 800	2500 x 1200	3000 x 1500
Recycling Lubrication Syt.	-		Liquid	Liquid	Liquid	Liquid	Liquid	Liquid
Main Motor	kw		15	18,5	22	30	37	75
Approx. Weight	kg		12.500	20.000	27.000	35.000	50.000	90.000





SERVO TRANSFER PRESSES

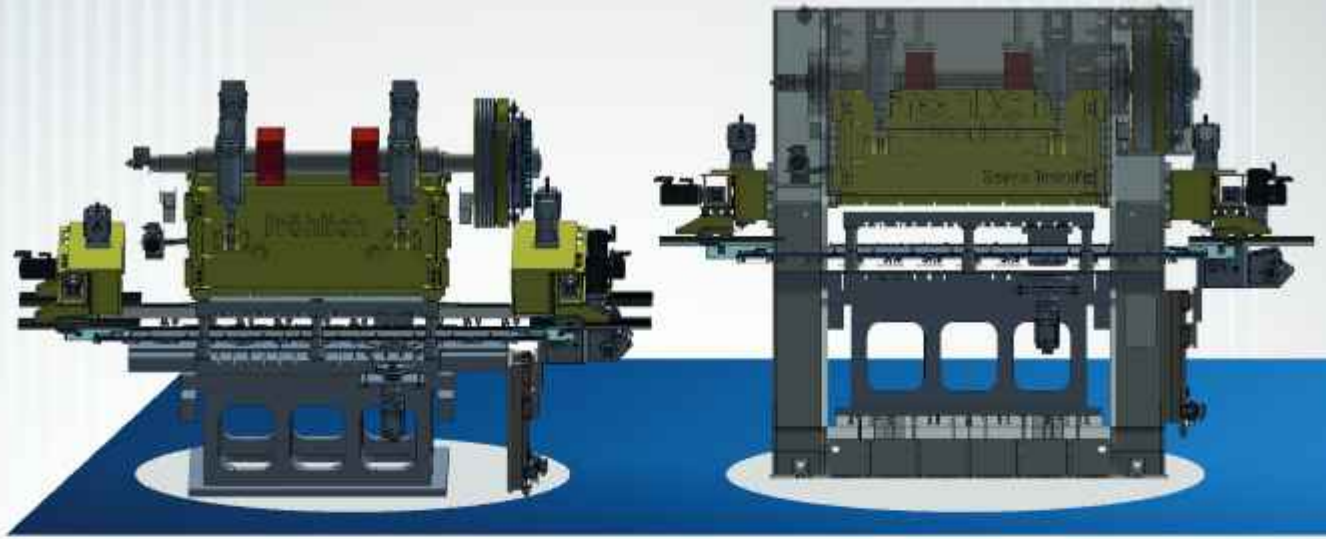
Standard Features

Heat Treated Steel Bodies
Grinded crank shafts
Induction and Grinded Gear System
Gear System in Closed Oil Reservoir
Fixed Stroke
Motorized Ram Adjustment System
Pneumatic Balancing Pistons 4 Pcs.
Pneumatic Clutch & Brake System
Photocell protected mold area
Hydraulic Overload Control
Engine Forward Reverse Control System
Double Coil Press Relief Valve
Auto Centralized Lubrication Liquid Pump
Speed Control Unit
Pneumatic Cover System Front & Back
Servo Transfer System
PLC Touch screen Control System

Optional Features

Additional Plate
Cushion Unit
Hydraulic Quick Die Change System
Mold loading Arms
Spring type Antivibration Dampers





Technical Features		Birim	FRHMT1000	FRHMT1500	FRHMT2000	FRHMT25000	FRHMT4000	FRHMT5000
Model								
Press Power	ton		100	150	200	250	400	500
Fixed Stroke	mm		100	150	150	150	250	300
Ram Adjustment Range	mm		90	120	120	120	120	130
Max. Ram Plate Distance	mm		700	750	750	750	950	1100
Max. Closed Mold Height	mm		600	600	600	600	750	800
Speed of Press	spm		30 - 120	30 - 120	30 - 120	30 - 120	30 - 120	30 - 120
Sliding Qty. of Ram	pcs		8	8	8	8	8	8
Qty. Crank Shaft	pcs		1	1	1	1	1	1
Qty Connection Rod	pcs		2	2	2	2	2	2
Ram Balancing Pistons	pcs		4	4	4	4	4	4
Side window width	mm		600	600	600	750	1000	1200
Ram Plate Dimension	mm		1100 x 670	1700 x 670	1700 x 670	2150 x 670	2500 x 1000	3000 x 1200
Bolster Plate Diemnsion	mm		1100 x 750	1500 x 600	1500 x 600	2050 x 800	2500 x 1200	3000 x 1500
Recycling Lubrication Syt.	-		Liquid	Liquid	Liquid	Liquid	Liquid	Liquid
Main Motor	kw		15	18,5	22	30	37	75
Approx. Weight	kg		12.500	20.000	27.000	35.000	50.000	90.000



Servo Feeder System



Servo Transfer System



Electric Cabinet with Siemens Components



Well Stabilized Compact Body Design





H TYPE HIGH SPEED PRESSES

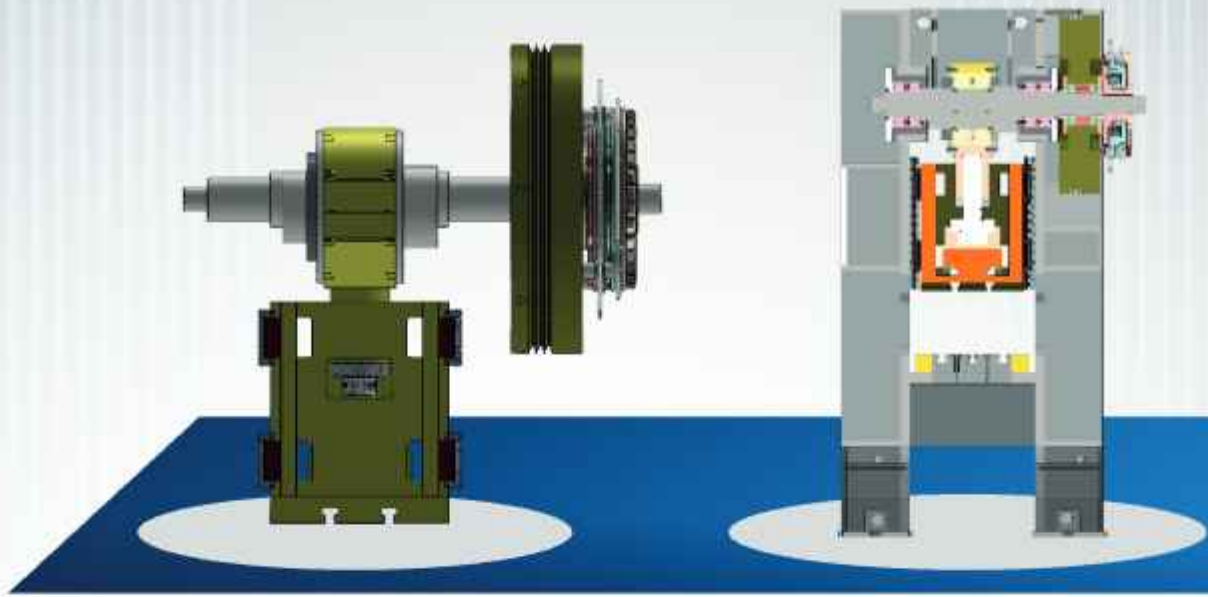
Standard Features

- Heat Treated Steel Bodies
- Grinded crank shafts
- Induction and Grinded Gear System
- Gear System in Closed Oil Reservoir
- Fixed Stroke
- Motorized Ram Adjustment System
- Pneumatic Balancing Pistons
- Pneumatic Clutch & Brake System
- Photocell protectioned mold area
- Hydraulic Overload Control
- Engine Forward Reverse Control System
- Double Coil Press Relief Valve
- Auto Centralized Lubrication Liquid Pump
- Speed Control Unit
- PLC Touch screen Control System

Optional Features

- Additional Plate
- Cushion Unit
- Hydraulic Quick Die Change System
- Mold loading Arms
- Spring type Antivibration Dampers
- Mechanical Feeder





Technical Features		Birim	FRHL40	FRH60	FRHL60	FRHL100	FRHL150	FRHL250
Model								
Press Power	ton		40	60	60	100	150	250
Fixed Stroke	mm		30	30	30	30	30	30
Ram Adjustment Range	mm		60	60	60	70	80	90
Max. Ram Plate Distance	mm		310	330	330	380	430	520
Max. Closed Mold Height	mm		280	300	300	350	400	490
Speed of Press	spm		100 - 300	100 - 300	100 - 300	100 - 300	100 - 300	100 - 300
Sliding Qty. of Ram	pcs		8 Lineer	8 Lineer	8 Lineer	8 Lineer	8 Lineer	8 Lineer
Qty. Crank Shaft	pcs		1	1	1	1	1	1
Qty Connection Rod	pcs		1	1	2	2	2	2
Ram Balancing Pistons	pcs		-	-	-	4	4	4
Side window width	mm		250	250	250	350	400	600
Ram Plate Dimension	mm		450 x 300	450 x 300	600 x 300	1000 x 500	1250 x 600	2300 x 1000
Bolster Plate Dimension	mm		450 x 450	450 x 450	600 x 450	1000 x 600	1250 x 800	2300 x 1200
Recycling Lubrication Syst.	-		grease pump	grease pump	grease pump	grease pump	grease pump	Liquid
Main Motor	kw		7,5	11	11	15	22	55
Approx. Weight	kg		4.000	4.500	5.500	15.000	20.000	55.000



Single Connection Rod System



Double Connection Rod System



Pneumatic Control System





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