



Corporate Profile



LIEN CHIEH MACHINERY CO., LTD.

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History

Since 1947

Lien Chieh Machinery Co., Ltd., has specialized in the manufacturing of many different types of Hydraulic Presses. Our company was founded in 1947 and for more than seventy years has designed and developed a comprehensive range of technically advanced and dependable Presses which offer the highest level of performance characteristics. At **Lien Chieh**, our design office engineers and their support staff are committed to supplying our

many domestic and international customers with Hydraulic metal forming Presses which represent the very latest in technological advancement. **Lien Chieh** takes considerable pride in the fact that there are thousands of our Presses around the world providing excellent daily services. From the very beginning, we have continued to focus on our ability to provide Hydraulic Presses with optimum features. Emphasizing on

performance, quality, reliability and safety. Our after-market support services are critically important to us and we maintain dedicated resources for this sole purpose. **Lien Chieh** has established a most enviable record within the industry and will continue to offer the very latest in high-technology machines. At **Lien Chieh** every Press we make is custom-tailored to suit your requirements.

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1947 Lien Chieh Machinery Co., Ltd. was founded by Mr. C. L. Wang

1950 Manufactured Hydraulic Table Lifters and Power units

1960 First Multiple Platen Press for Plywood was developed

1970 First Drawing Press was manufactured for Taiwan's automotive industry

1980 First Laminating Press was manufactured for the Printed Circuit Board industry

1990 Established manufacturing facility in Yang Mei (Factory Area: 15,000 M²)

1996 Manufactured Drawing Press with CE certification

1997 ISO 9002

1998 Signed License Agreement with AIDA Engineering Ltd. Japan and manufactured a series of 400~600 ton Mechanical Presses

2003 ISO 9001

2005 Signed exclusive Sales Agreement with Enprotech Mechanical Services Inc. for North America

2008 12,000 ton Hot Forging Press was delivered to customer in Taiwan for manufacturing aluminum wheels

2009 2,500 ton Die Tryout Press with table area 4,600 x 2,500 mm was delivered to Ford Mexico

2014 First Servo Hydraulic Press developed with overall energy efficiency up to 30%

2015 2,400 ton Servo Mechanical Tandem Press line delivered to customer in Taiwan

2016 3,000 ton Servo Hydraulic Press for composite material manufacturing

Process

We provide our customers with in-house manufacturing from start to finish

Inventory

Majority of LCM's Material Inventory is sourced from Taiwan, Germany and Japan. LCM Hydraulic Presses are equipped with variable displacement Bosch Rexroth Pumps and Teco Westinghouse High Efficiency Motors. High Quality, Seamless Tube or Forgings are used in conjunction with high quality Pistons for the manufacture of Hydraulic Cylinders.



Cutting

NC Flame Cutting Machine with Table Area 12,000 x 3,400 mm.



Welding

Metal Inert Gas Welding (MIG) is used throughout the fabrication of the Press Structure. Tungsten Inert Gas Welding (TIG) is used for the manufacture of high pressure Hydraulic Piping.



Annealing

160 Metric ton Gas Annealing Furnace with 12,000 x 5,000 x 4,500 mm Table Area and a maximum Operational Temperature of 950 degrees Celsius.

Process

CNC Machining

Precision CNC Boring Mills with 200 mm Spindle Diameter.
X-axis Travel = 24,000 mm
Y-axis Travel = 4,700 mm
Z-axis Travel = 1,600 mm
W-axis Travel = 1,600 mm



Assembly

All LCM Hydraulic Presses are assembled in-house. Press Assembly Area has an Overhead Crane Capacity of 160 Metric Tons with a Floor to Crane Hook Height of 14 Meters.
The latest Press Assembly Area has an Overhead Crane Capacity of 400 Metric Tons with a Floor to Crane Hook Height of 16 Meters.



Quality Assurance

ISO-9001 Certified.
Conforms with CE, OSHA, ANSI, JIS and N-12 Electrical Safety standards.

Factory Acceptance

Prior to shipment LCM Customers are invited to the Manufacturing Facility in Yang Mei to witness Press Inspection, Run-Off & Initial Acceptance Programs.

Die Spotting Presses

Die Tryout Presses

Tonnage: **500 ton**
Bolster Area: 5,000 x 2,500 mm



Tonnage: **2,500 ton**
Bolster Area: 4,600 x 2,500 mm



Specification

Model	Capacity	Bolster Area	Descending Speed	Ascending Speed	Micro Inching
	ton	mm	mm/sec	mm/sec	mm/push
LDS-50-A	50	1,500 x 1,200	60	50	0.05~1
LDS-50-B	50	2,000 x 1,500	60	50	0.05~1
LDS-50-C	50	2,500 x 1,500	60	50	0.05~1
LDS-100-A	100	3,000 x 2,000	60	50	0.05~1
LDS-100-B	100	4,000 x 2,500	60	50	0.05~1
LDS-200	200	4,500 x 2,500	60	50	0.05~1
LDS-500	500	5,000 x 2,500	60	50	0.05~1
LDS-	600 or >		Please Specify		0.05~1

Specification

Model	Capacity	Bolster Area	Descending Speed	Ascending Speed	Die Cushion Capacity
	ton	mm	mm/sec	mm/sec	ton
LD-400	400	2,500 x 1,500	400	300	100
LD-500	500	3,000 x 2,000	400	300	200
LD-1200	1,200	4,600 x 2,500	400	300	400
LD-1500	1,500	4,600 x 2,500	400	300	500
LD-2000	2,000	5,000 x 2,500	400	300	600
LD-3500	3,500	5,500 x 3,000	400	300	1,200
LD-	4,000 or >		Please Specify		

Drawing Presses

Double Action



Tonnage: **1,000 ton**
Bolster Area: 5,000 x 2,500 mm



Tonnage: **500 ton**
Bolster Area: 2,600 x 1,600 mm



Tonnage: **600 ton**
Bolster Area: 2,500 x 1,600 mm



Tonnage: **700 ton**
Bolster Area: 1,542 x 1,270 mm

Specification

Model	Capacity	Bolster Area	Die Cushion Capacity	Descending Speed	Ascending Speed
	ton	mm	ton	mm/sec	mm/sec
LD-200	200	2,000 x 1,500	50	350	350
LD-400	400	2,500 x 1,500	100	350	350
LD-600	600	3,000 x 1,800	200	400	400
LD-800	800	3,000 x 2,000	250	400	400
LD-1000	1,000	3,500 x 2,200	300	400	400
LD-1200	1,200	3,500 x 2,200	400	400	400
LD-2000	2,000	4,500 x 2,500	600	400	400
LD-3000	3,000	4,500 x 2,500	1,000	500	400
LD-5000	5,000	5,000 x 3,000	1,500	500	400
LD-8000	8,000	6,000 x 3,500	2,500	500	400
LD-	8,500 or >			Please Specify	

Drawing Presses

Triple Action



Tonnage: **1,200 ton**
Bolster Area: 3,200 x 2,000 mm



Tonnage: **3,000 ton**
Bolster Area: 6,000 x 2,500 mm



Tonnage: **3,000 ton**
Bolster Area: 4,600 x 2,750 mm



Fully Automated High Speed Hydraulic Tandem Line With Processing Equipment, Washing Unit, Centralizing System and Robots

Tonnage: **800 ~ 1,600 ton**
Bolster Area: 4,600 x 2,500 mm

Specification

Model	Punch Holder				Blank Holder				Die Cushion		
	Capacity	Punch Holder Area	Descending Speed	Ascending Speed	Capacity	Blank Holder & Bolster Area	Descending Speed	Ascending Speed	Capacity	Cushion Area	Ascending Speed
	ton	mm	mm/sec	mm/sec	ton	mm	mm/sec	mm/sec	ton	mm	mm/sec
LD-1200	800	2,500 x 1,500	340	340	400	3,500 x 2,200	340	340	300	2,900 x 1,600	70
LD-1500	1,000	3,000 x 1,700	340	340	500	4,000 x 2,500	340	340	400	3,400 x 1,900	70
LD-2200	1,500	3,500 x 1,700	340	340	700	4,500 x 2,500	340	340	500	3,900 x 1,900	70
LD-3000	2,000	3,800 x 1,700	380	380	1,000	4,800 x 2,500	380	380	600	4,200 x 1,900	70
LD-3700	2,500	4,300 x 2,000	400	400	1,200	5,500 x 3,000	400	400	800	4,875 x 2,400	70
LD-	4,000 or >				Please Specify						



Manual Loading Hydraulic Tandem Line

Tonnage: **600, 800 and 1,200 tons**

Forging Presses



Tonnage: **8,000 ton**
Bolster Area: 2,500 x 1,900 mm



Tonnage: **7,500 ton**
Bolster Area: 1,524 x 1,524 mm



Tonnage: **12,000 ton**
Bolster Area: 2,700 x 2,500 mm



Tonnage: **5,000 ton**
Bolster Area: 3,800 x 2,400 mm



Tonnage: **2,000 ton**
Bolster Area: 2,000 x 2,000 mm

Specification

Model	Capacity	Bolster Area	Descending Speed	Ascending Speed
	ton			
LF-200	200	800 x 750	350	300
LF-500	500	1,200 x 1,000	350	300
LF-800	800	1,200 x 1,000	350	300
LF-1000	1,000	1,200 x 1,000	350	300
LF-1200	1,200	1,500 x 1,200	350	300
LF-2000	2,000	1,600 x 1,200	350	300
LF-3000	3,000	2,000 x 1,500	350	300
LF-8000	8,000	2,500 x 1,900	350	300
LF-12000	12,000	2,700 x 2,500	350	300
LF-15000	15,000	3,000 x 2,750	350	300



Hydraulic Warm Forging Press
Tonnage: **400 ton**
Bolster Area: 805 x 750 mm



Fully Automated Shell Forging Production Line
Tonnage: **125 ~ 3,000 ton**
Bolster Area: 810 x 950 mm / 810 x 1,150 mm / 915 x 1,095 mm / 1,375 x 1,675 mm / 1,525 x 1,880 mm

Hot Forming Presses



Tonnage: **200 ton**
Platen Area: 900 x 700 mm



Tonnage: **500 ton**
Platen Area: 900 x 900 mm

Hot Stamping Presses



Tonnage: **1,200 ton**
Bolster Area: 3,000 x 2,250 mm



Hydroforming Presses



Tonnage: **1,100 ton**
Bolster Area: 1,800 x 1,200 mm



Tonnage: **2,000 ton**
Bolster Area: 2,500 x 1,200 mm

Specification

Model	Capacity	Bolster Area	Intensifier	Descending Speed	Ascending Speed
	ton	mm	bar	mm/sec	mm/sec
LSHF-1100	1,100	1,800 x 1,200	4,000	300	280
LSHF-1200	1,200	950 x 850	4,000	300	280
LSHF-2000	2,000	2,500 x 1,200	4,000	150	150
LSHF-2500	2,500	2,500 x 2,600	4,000	350	350
LSHF-3500	3,500	2,500 x 2,600	4,000	300	250
LSHF-3500	3,500	3,300 x 2,200	4,000	300	300
LSHF-4500	4,500	3,200 x 2,500	4,000	210	150
LSHF-5000	5,000	4,100 x 2,400	4,000	300	300
LSHF-	5,500 or >			Please Specify	

PCB | CCL | Laminating Presses



Tonnage: **720 ton**, 8 Openings
Platen Area: 1,220 x 1,370 mm



Tonnage: **3,500 ton**, 20 Openings
Platen Area: 1,370 x 2,300 mm

Specification

No. of Opening	Capacity	Stroke	Platen Area	Distance Between Platen	Ascending Speed	Descending Speed
	ton	mm				
1~15	200~2,000	1,500~21,000	Please Specify	100~140	1,000	1,000
20	200~2,000	2,000~2,800		100~140	1,200	1,200
25	2,000 or >	2,500~3,500		100~140	1,200	1,200
30	2,000 or >	3,000~4,200		100~140	1,200	1,200
35	2,000 or >	3,500~4,900		100~140	1,200	1,200
40	3,000 or >	4,000~5,600		100~140	1,400	1,400

Plywood Presses



Tonnage: **500 ton**
Bolster Area: 1,800 x 1,700 mm



Tonnage: **600 ton**, 35 Openings
Bolster Area: 1,700 x 1,800 mm

Specification

	No. of Opening	Capacity	Unit Pressure	Stroke	Platen Area	Distance Between Platen	Ascending Speed	Descending Speed
		ton	kg/cm ²	mm	ft	mm	mm/min	mm/min
Hot Press	1~15	500~800	19~23	750~18,000	5' x 5' or 4' x 8'	50~120	10,000	10,000
	20	500~800	19~23	1,000~2,400	5' x 5' or 4' x 8'	50~120	12,000	12,000
	25	500~800	19~23	1,250~3,000	5' x 5' or 4' x 8'	50~120	12,000	12,000
	30	500~800	19~23	1,500~3,600	5' x 5' or 4' x 8'	50~120	12,000	12,000
	35	500~800	19~23	1,750~4,200	5' x 5' or 4' x 8'	50~120	12,000	12,000
	40	500~800	19~23	2,000~4,800	5' x 5' or 4' x 8'	50~120	14,000	14,000
	45	500~800	19~23	2,250~5,400	5' x 5' or 4' x 8'	50~120	16,000	16,000
	50	500~800	19~23	2,500~6,000	5' x 5' or 4' x 8'	50~120	18,000	18,000
Cold Press	Model	Capacity	Pressure	Stroke	Bolster Area			
	LC-500	500			Please Specify			
	LC-750	750			Please Specify			

SMC | GMT | BMC Presses



Tonnage: **1,000 ton**
Bolster Area: 2,500 x 1,250 mm

Specification

Model	Capacity ton	Bolster Area mm	Stripping Capacity ton	Descending Speed mm/sec	Ascending Speed mm/sec
LHS-250	250	1,500 x 1,200	40	450	350
LHS-500	500	2,000 x 1,500	80	450	350
LHS-600	600	2,000 x 1,500	100	450	350
LHS-1500	1,500	3,000 x 2,500	250	450	350
LHS-2000	2,000	3,050 x 2,750	300	450	350
LHS-2500	2,500	3,500 x 2,500	400	450	350
LHS-3000	3,000	4,000 x 3,500	500	450	350
LHS-	3,500 or >		Please Specify		

C-Frame Presses



Tonnage: **100 ton**
Bolster Area: 750 x 550 mm

Straightening & Shipyard Presses



Traveling Ram Hydraulic Shipyard Press
Tonnage: **3,000 ton**
Bolster Area: 5,600 x 2,500 mm



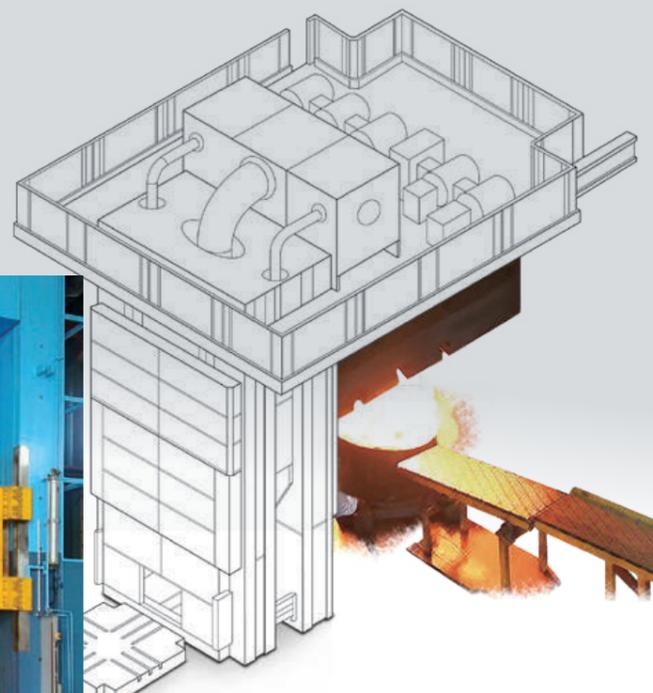
Tonnage: **3,000 ton**
Bolster Area: 4,600 x 1,800 mm

Fiber Cement & Calcium Silicate Presses



Tonnage: **5,000 ton**
Bolster Area: 5,080 x 2,180 mm

Customization

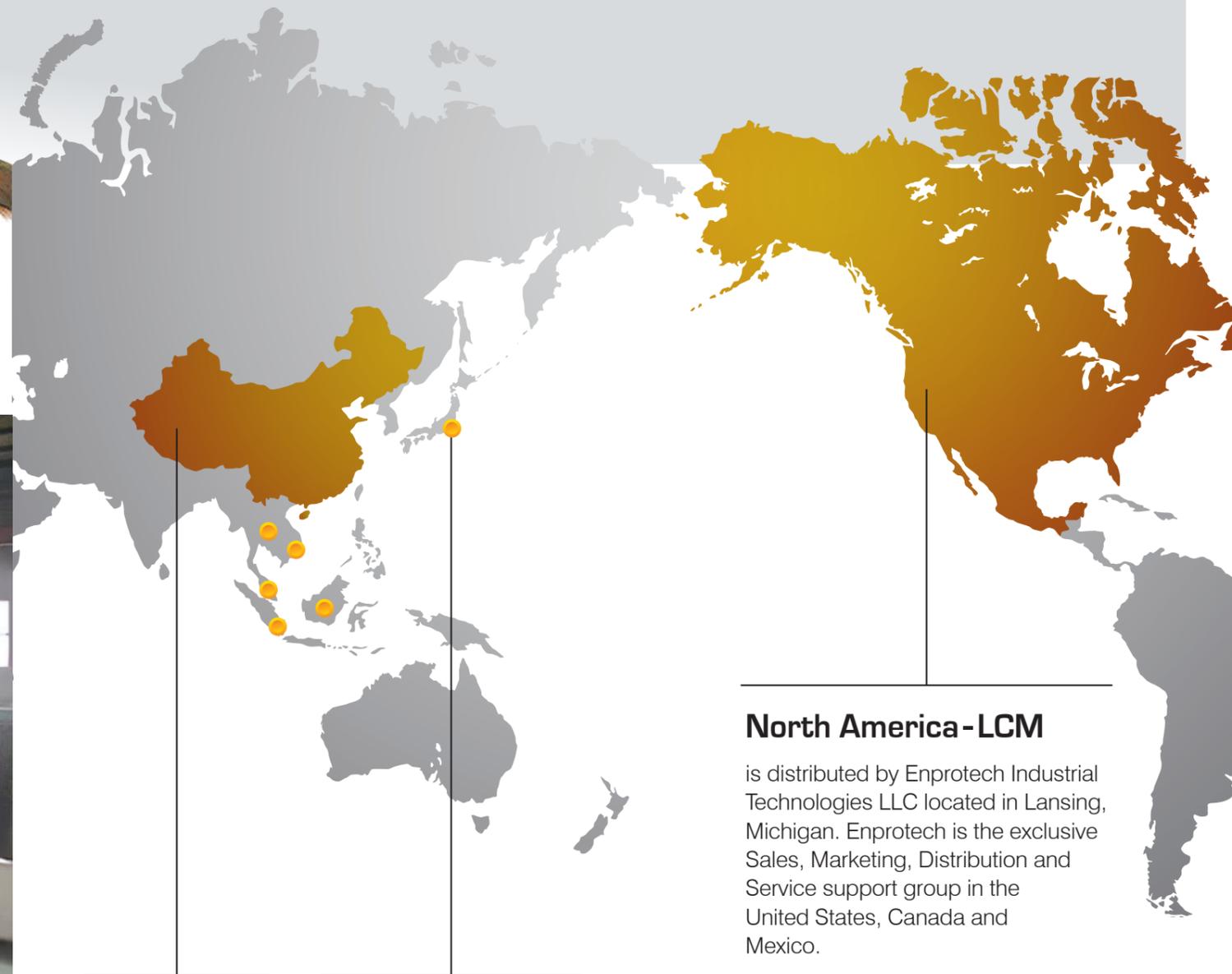


LCM custom-builds each Press with regard to the Press Application & the Technical Requirements of our Customers.

LCM Presses contain the following Standard Features:

- Slide Safety Locks
- Safety Light Curtains
- Bosch Rexroth Pumps
- European Cylinder Seals and Packings
- Teco Westinghouse High Efficiency Motors
- Customizable HMI Screen and Functions
- Fault Monitoring on Hydraulic System through HMI Display
- Sound Levels below 83 dB when operating at Full Tonnage

Global Service Network



North America - LCM

is distributed by Enprotech Industrial Technologies LLC located in Lansing, Michigan. Enprotech is the exclusive Sales, Marketing, Distribution and Service support group in the United States, Canada and Mexico.

China - LCM

Technical Service Team is located in Kunshan city in Jiangsu Province.

North | South East Asia - LCM

is partnered with various Sales and Service groups to ensure minimum downtime.