



JIER
Since 1937



JIER

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PROFILE OF COMPANY

JIER-AE-2016-01

JIER MACHINE-TOOL GROUP CO., LTD.

PREFACE



Mr. Zhang Zhigang
Chairman & President, JIER Group

■ Products & Services

- Sheet metal forming equipment
- Sheet metal processing equipment
- CNC machine tools
- Foundry machinery
- CNC flame / plasma / laser cutting machines
- Rebuilding & upgrading

Established in 1937 in Jinan, China, JIER Machine-Tool Group is a global leader in the manufacture of heavy duty metal forming and metal cutting machinery. With our 1.2 million square meters of manufacturing facilities and our extensive engineering, R&D, and service capabilities, JIER is positioned to provide all of your metal forming and metal cutting machinery needs. Welcome to JIER where gaining your trust is our first responsibility.



SHEET METAL FORMING EQUIPMENT

■ Tandem Line

- Crossbar High Speed Automatic Press Line
- Single Arm High Speed Automatic Press Line
- Robot Automatic Press Line
- Servo Line

■ Transfer & Progressive Press Line & Blanking Line

- Transfer Press Line (Mechanical / Servo)
- Progressive Press Line (Mechanical / Servo)
- Blanking line (Mechanical / Servo)

■ Straight Sided Mechanical Press

- Drive type: Eccentric, Link, Servo
- Pressure point: 1, 2, 4
- Single action / Double action

■ C Frame Press

- C Frame Press One Point Mechanical Press
- C Frame Press Inclined Mechanical Press
- C Frame Press Two Point Mechanical Press
- Front Supported C Frame Two Point Mechanical Press



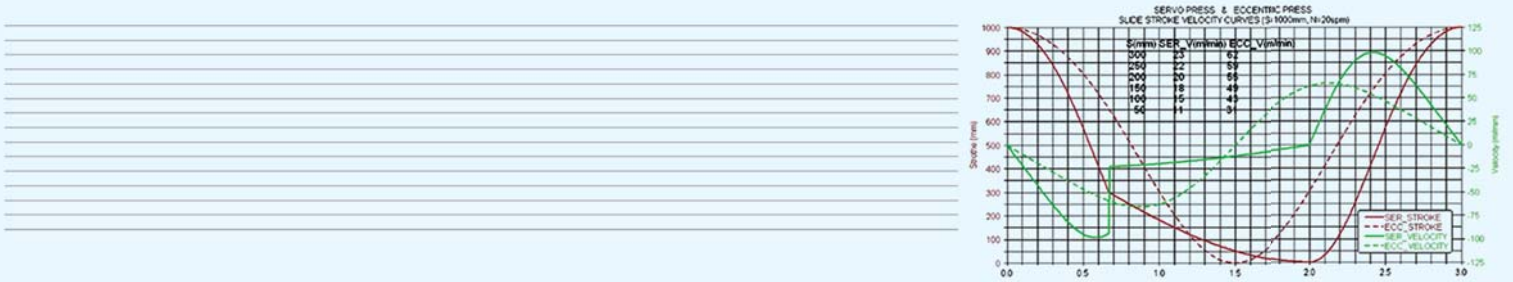
Single arm high speed automatic press line



Crossbar high speed automatic press line



SHEET METAL FORMING EQUIPMENT



Robot automatic press line



Blanking press



Single action press



Servo press



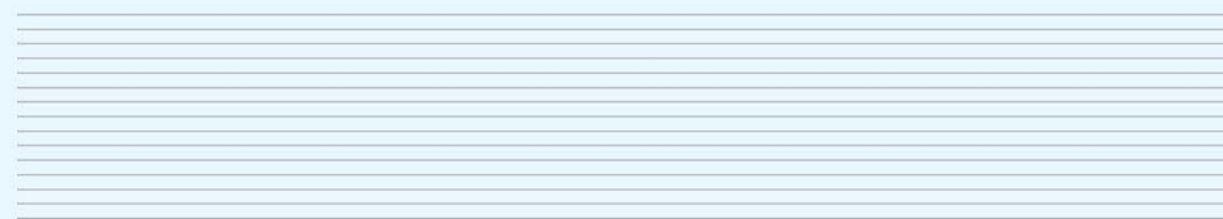
Double action press



Link drive press



SHEET METAL FORMING EQUIPMENT



Progressive press line



Mechanical press



Transfer press line



C-Frame press

SHEET METAL PROCESSING EQUIPMENT

■ Cut-To-Length Lines

- Start-stop Shearing Line
- Swivel Shearing Line
- Rotating Shearing Line

■ Blanking Line

■ Lamination Blanking Line

■ Progressive Press Line

■ Bundle Turnover

■ Blank Washing Unit

■ Blank Oiling Unit



Start-stop Shearing Line



Progressive press line



Blank washer & oiler



Blanking line



Flying shearing line



Bundle turnover



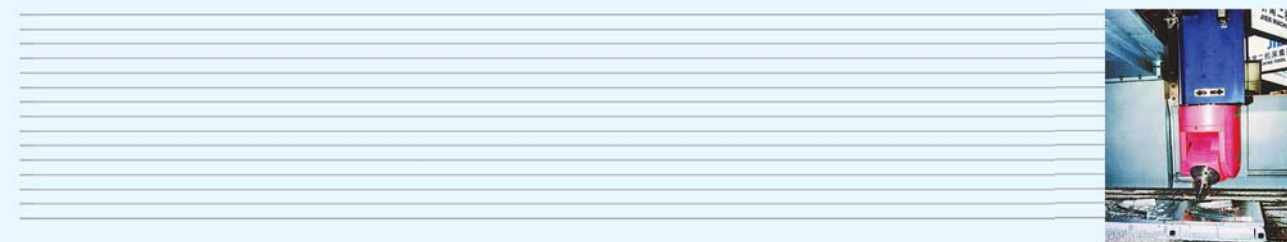
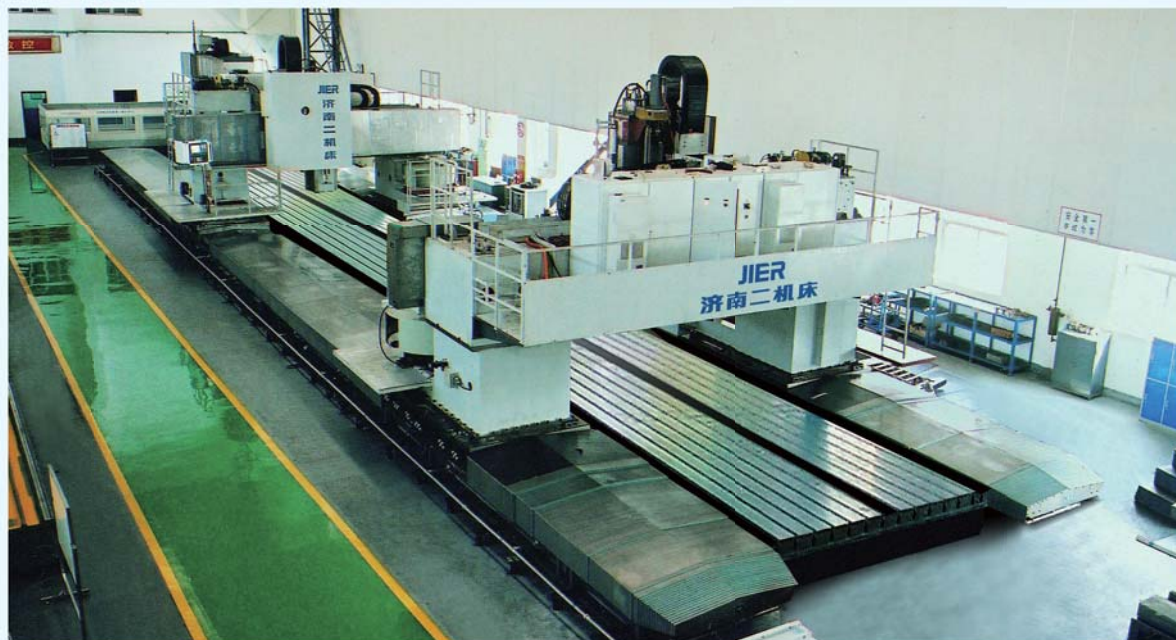
Lamination blanking line

C_{NC} MACHINE TOOLS



■ Gantry Type CNC Milling & Boring Machine / Machining Center

- With fixed crossrail, table traveling type (table width: 1.1~6m)
- With fixed crossrail, gantry traveling type (table width: 1.8~8m)
- With movable crossrail, table traveling type (table width: 2~6m)
- With movable crossrail, gantry traveling type (table width: 2.5~8m)



■ Gantry Type 5-Axis High Speed Milling & Boring Machine / Machining Center

(equipped with dual swiveling milling head of mechanical spindle, electric spindle with mechanically driven or electric spindle driven by torque motor)

- Table traveling type (table width: 1.1~5m)
- Over-head type (table width: 1.5~5m)
- Gantry traveling type (table width: 1.8~6m)



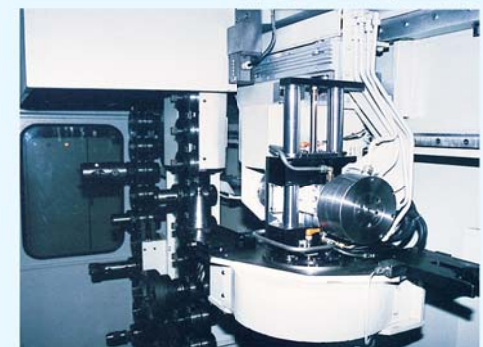
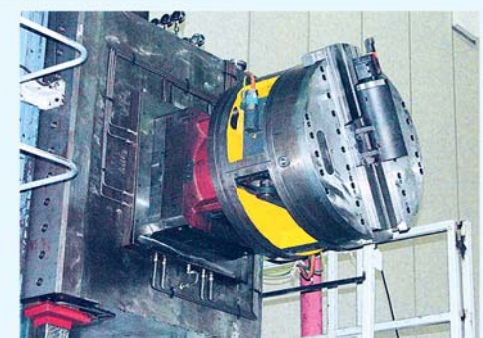
CNC MACHINE TOOLS

■ Floor Type CNC Milling & Boring Machine / Machining Center

- Series TK69 (Spindle dia. 160,200,260,320mm)
- Series Gimax (Spindle dia. 160,180,200,250mm)

■ Machine Accessories

- Right-angle milling head
- Universal milling head
- Extension milling head
- Special milling or boring head
- Facing head
- Automatic pallet changer (APC)
- Automatic attachment changer (AAC)
- Rotary table with linear motion



C_{NC} CUTTING MACHINE

- NCS series CNC flame & plasma cutting machine (track pitch: 2.1~4m)
- NC series CNC flame & plasma cutting machine (track pitch: 4~12m)
- PHA series CNC flame & plasma cutting machine (track pitch: 2.1~3.1m)
- FINE series CNC fine plasma cutting machine (track pitch: 2.6~8m)
- JRC series Bench Type high speed precise CNC plasma cutting machine (cutting pitch: 1.5~2.5m)
- R series robot CNC flame/plasma/laser cutting machine
- L series CNC laser cutting machine



F_{OUNDRY} MACHINERY



Foundry machinery using Furan resin-bonded sand for molding in a foundry, desulphurization and dust removing equipment for industrial stoves, cupola, steel-plate pre-treatment lines

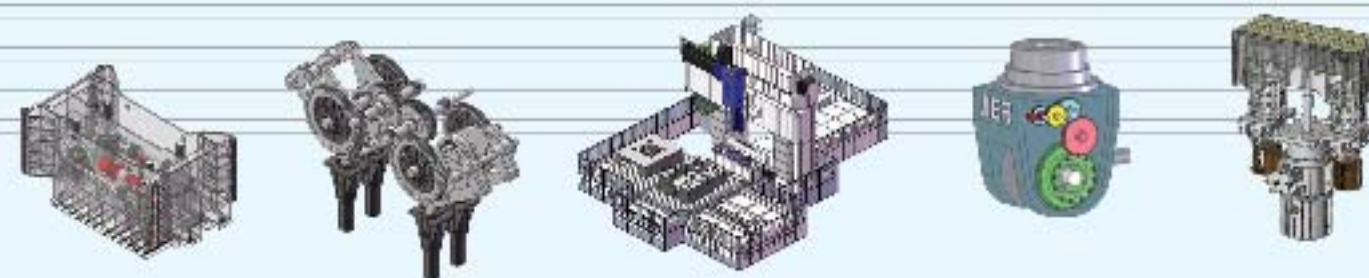
- No-bake sand continuous mixer, capacity: 2~100t
- Shake out & reclamation equipment
- No-bake sand regeneration systems
- Pneumatic sand picking up & transferring systems
- Automatic molding lines
- Stripping machine
- Box closing machine
- Drying oven
- Flood Coating system for painting
- Air-pollution prevention & treatment equipment, etc



RESEARCH & DEVELOPMENT



- 60 years experience in researching, developing and producing metal forming and metal cutting machines
- With a National Class Technical Center of 500 competent engineers, including 4 research institutes of Mechanical press, Automation, CNC machine tools and IT application, and 5 professional laboratories for Machine tool test, Electrical test, Metrological calibration and Physical & Chemical analysis, Casting and welding process test
- 3-D technology applied in our engineering design
- Engineering concept & capability in line with the demand of global high end market
- Developed high speed 5 axis milling & boring machines
- Annually developing more than a hundred new products



DEVELOPMENT OF PRODUCTS & TECHNOLOGY



- 1953 - made the 1st large gantry type planer in China
- 1955 - made the 1st large mechanical press in China
- 1963 - made the largest gantry planer 6.3 × 20m in the world
- 1970 - made the 1st 250t transfer press in China
- 1971 - made the world advanced surface broacher for automotive engine blocks
- 1981 - introduced whole sets of technology of mechanical presses from VERNON Allsteel Co., USA

- 1989 - supplied 3 large stamping lines with link drive presses to Shanghai Volkswagen Automotive Co., Ltd.
- 1992 - co-produced with Forest Line, France for CNC machine tools
- started to produce cut-to-length lines
- 1995 - made the 1st automatic large stamping press line with loader & unloader cells
- started to produce environmental protection equipment

- 1996 - started to produce CNC plasma & flame cutting equipment
- started to produce Furan resin bonded sand foundry machinery
- 1997 - co-operated with Komatsu Ltd, Japan to supply 2,000t tandem stamping lines to GM
- co-operated with Mueller Weingarten to supply 2,000t tandem stamping lines to GM
- 1998 - started to produce building materials machinery

- 2001 - introduced the technology license for CNC floor type milling & boring machines from Forest Line, France
- supplied 2,000t transfer press to USA
- 2002 - made the 1st gantry type high speed 5-axis milling & boring machine in China
- 2003 - co-operated with Sundwig, Germany for cut-to-length lines
- co-operated with Kohler, Germany for presses
- solely introduced the technology license of press automation system from ISI Norgren, USA
- 2005 - supplied 5,000t heavy duty transfer press to DANA, USA
- supplied 3,200t stamping line to SAB, Thailand
- 2006 - supplied the 1st robot type automatic stamping line in China
- 2007 - supplied 1,000t transfer press to DANA, Australia
- supplied the 1st double gantry type 5-axis heavy milling & boring machine with a mechanical type dual swivel milling head
- supplied 1,000t servo press
- 2008 - supplied 6,400t single arm high-speed automatic press line to Brilliance Auto., China
- 2009 - supplied crossbar high-speed automatic stamping lines with 15 SPM to SGM
- supplied large transfer presses to domestic car makers and automotive components suppliers
- 2010 - supplied 6,900t crossbar high-speed stamping line to FAW Volkswagen in China
- Supplied 2,500t servo press in China
- 2011 - won the order from Ford America for crossbar high-speed automatic stamping line
- 2012 - won the order from Ford China and SGM for crossbar high-speed automatic stamping lines
- 2013 - won the order from Ford America for 6th crossbar high-speed automatic stamping line
- 2014 - made large horizontal turnover machine center
- 2015 - made large full-servo high-speed stamping line

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ANUFACTURING



■ Machining

- With over 1300 sets of precise and necessary equipment
- With dozens of large CNC gantry type or floor type boring & milling machines and other specialized machines such as dia. 5m vertical turning lathes and dia. 5m MAAG herringbone gear shapers, guideway grinding machine and crucial inspection & measurement devices

■ Heat-treatment

- Heat-treatment processes ranging from annealing, quenching & tempering, normalization, annealing, bluing, phosphatizing, nitriding, carbonizing, and high or medium frequency quenching etc

■ Fabrication & Welding

- Pre-treatment of steel plate: undergoing the processes of straightening, shot blasting, painting and drying
- NC flame cutting thickness up to 320mm
- Single welded part: Max. 200t
- Annual capacity of welding parts over 80,000t
- Inspection: Ultra sonic and X ray etc



■ Foundry

- Grey cast iron, Max. weight of single part:140t; Max. length of single part:up to 20m
- Spheroidal graphite (ductile) cast iron, Max. weight of single part: 110t
- Bronze alloy (Max. dia.:1.5m) and aluminum alloy parts, Max. weight of single part: 2t
- Furan resin bonded sand casting processing is applied for production
- Stress relieving furnace: 16 × 5 × 3.8m
- Annual production capacity: 40,000 tons. A portion of large casting parts exported to Japan and European countries

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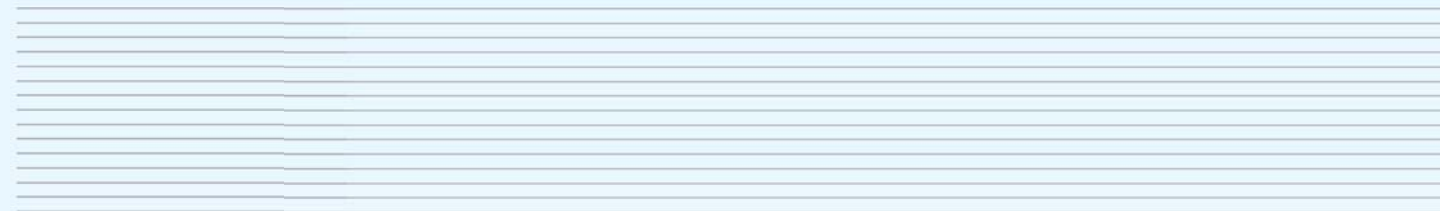
ANUFACTURING

■ Assembly

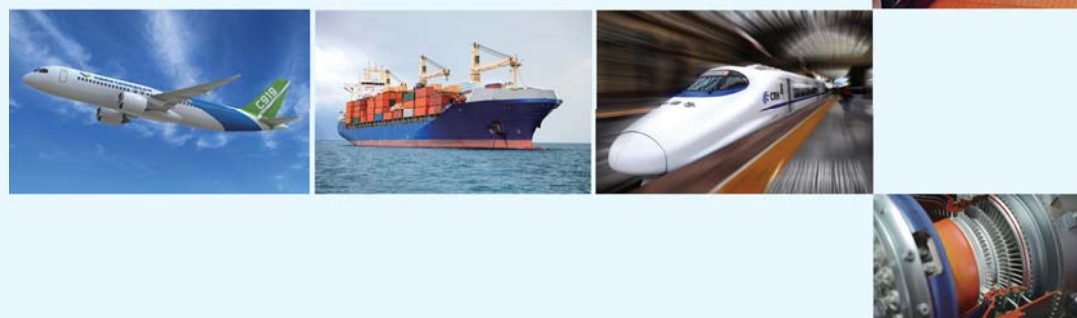
- Assembly area of presses is up to 40,000 sqm. Max. crane lifting capacity: 300t
- Assembly area of CNC machine tools is up to 17,000 sqm, Max. crane lifting capacity: 125t

■ Packing, Transportation & Rigging

- Capable for turnkey project



The JIER MACHINE-TOOL GROUP has been serving industry since 1937. Today our metal forming machines and CNC machine centers are sold into in every major industrial market, worldwide. Our stamping press tandem lines have been installed at most of the major automotive OEM's and Tier 1 suppliers. JIER, is the global leader in the manufacture of heavy duty metal forming and metal cutting machinery.



A world map illustrating the global distribution of JIER (Japan International Education Research) projects. The map shows various countries with red dots indicating project locations. A shaded region in East Asia, including China and Japan, is labeled 'JIER' in blue text.

A portion of our customers

