



Rolling of heavy plates and sections.
Sizes up to 120" (3 m) wide x 7 5/8" (195 mm) thick.



We can handle single piece fabrications in size
up to 20 feet (6.1 m) in diameter x 100 feet (30.5 m) long.



200 ton Four Post Press for
straightening and repair of damaged
and heat distorted weldments.



Angle rolling. Sizes up to 6" x 6" x 3/4"
(160 x 160 x 20 mm).



Submerged Arc welding of carbon,
low alloy and stainless steel of all thicknesses.



Custom machined trunnions.



Detail of Ring Gear.



Custom fabricated cones and screen assemblies.



In-shop stress relieving of kiln weldments.

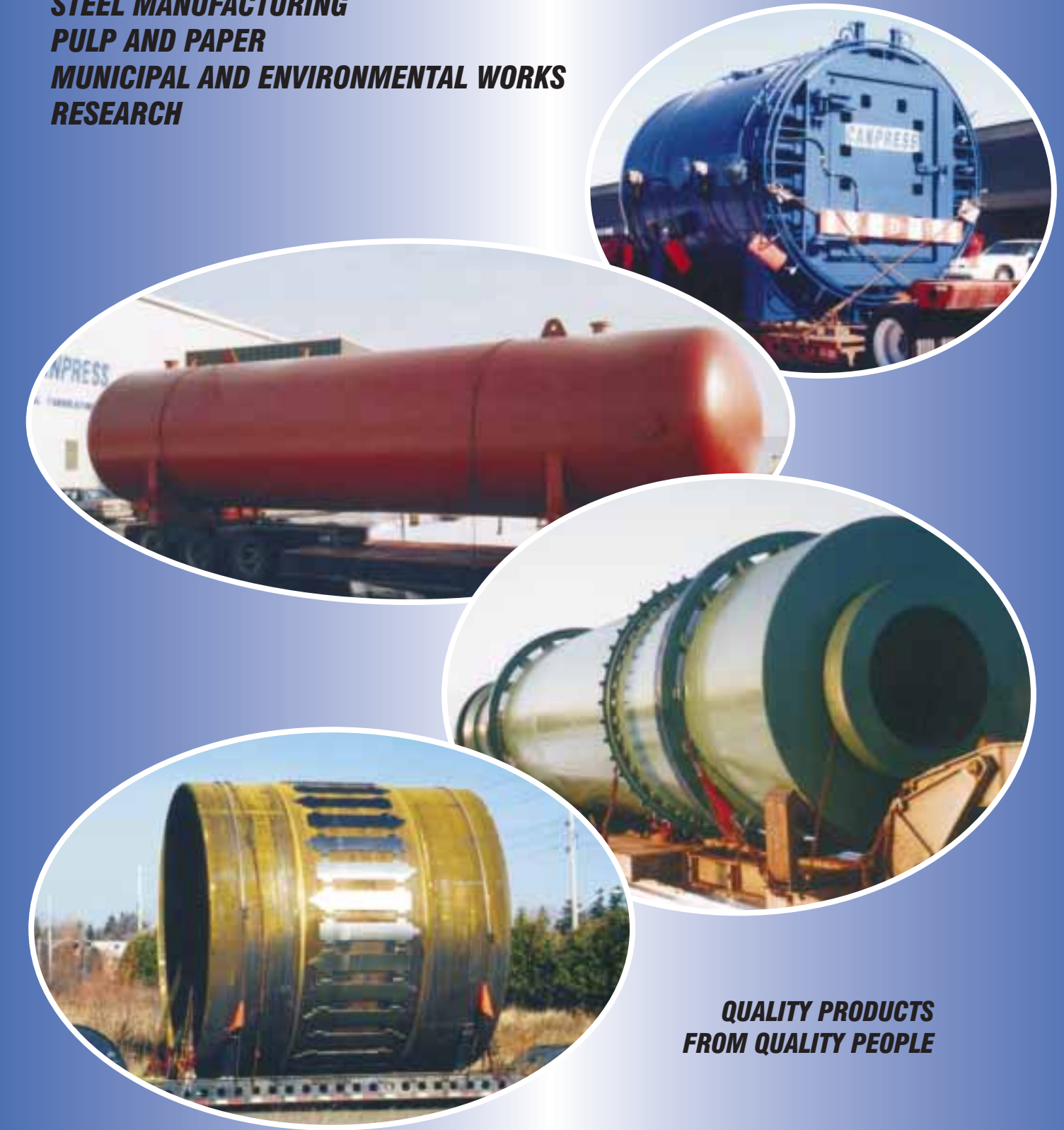


CANPRESS
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CHEMICAL PROCESSING
ORE MINING
PETROLEUM AND NATURAL GAS REFINING
STEEL MANUFACTURING
PULP AND PAPER
MUNICIPAL AND ENVIRONMENTAL WORKS
RESEARCH



QUALITY PRODUCTS
FROM QUALITY PEOPLE

CANPRESS
Metal Fabricators Inc.

CANPRESS METAL FABRICATORS INC.

Founded in 1986, Canpress is a leading Canadian manufacturer of custom designed heavy steel fabrications, machinery and process equipment.

Our modern plant in Pickering, Ontario serves many international clients, mainly in North and South America, Asia and the Middle East.

The principals of the company have a wealth of skills and knowledge gained from many years of experience with some of Canada's leading fabrication companies.

WIDE FABRICATION EXPERIENCE

CEMENT PLANTS, MINES, FOUNDRIES, PULP AND PAPER

- Rotary kilns
- Dryers
- Mixing drums
- Grinding mills

CHEMICAL PLANTS

- ASME Code vessels, tanks
- Chemical reactors
- Agitated and jacketed vessels
- Process towers
- Steel stacks
- Process piping

STEEL PLANTS

- Blast furnace sections
- Hoppers, ladles, transfer bins
- Structural work

MUNICIPAL AND ENVIRONMENTAL PROJECTS

- Penstocks (water piping)
- Wye branches
- Water treatment tanks
- Reservoirs

RESEARCH

- Explosion chambers

THROUGH OUR COMBINED EXPERIENCE WE HAVE MET THE CHALLENGES AND SPECIFIC REQUIREMENTS OF MANY INDUSTRIES



Mixing drum for foundry application.



Catalyst support bed.



Calcine converters for Nickel Plant in Indonesia.



Internal spiral of a stainless steel dryer.



Product discharge Pressurized Bins for Iron Plant in Saudi Arabia. Designed for cyclic load pressure.



13' Diameter Shaker Drum.



11' Diameter x 19' Long Explosion Containment Chamber for explosives research built completely by Canpress, including all operating mechanisms, hydraulics, controls and computer data acquisition.



Canpress designed and built Gear Assemblies.



Water Treatment Tank 10' Diameter.



17'-9" Diameter kiln shell section.



Process Drum, built complete with tires, gear, bearings, hoods and drive system.



7'-5" Diameter x 55' Long Stainless Steel Dryer.



20,000 gallon Nitrogen Receiver. Designed for 450 psi cyclic pressure.



Steel hopper for chemical plant.



40" Diameter x 171' High Stainless Steel Stack for chemical plant.



14' Diameter x 100' Long kiln shell section for fertilizer plant in New Mexico, USA.



Internal fittings of rotary kiln for Pulp and Paper Mill.



Catalytic Reactor for Nitric Acid Plant.

ASME CODE CERTIFICATION

Canpress is authorized by ASME (American Society of Mechanical Engineers) to design and manufacture pressure vessels in accordance with the ASME Boiler and Pressure Vessel Code, Section VIII. Our pressure vessels can also be registered with the National Board of Boilers and Pressure Vessel Inspectors.

QUALITY CONTROL

Canpress maintains a Quality Control System that ensures full compliance with all customer specifications and governing codes. This system is regularly supervised by Inspectors from the Technical Standards and Safety Authority of Ontario, Boilers and Pressure Vessels Safety Division.

PLANT CAPABILITIES

Single piece fabrications in sizes up to 20 feet (6.1 m) in diameter x 100 feet (30.5 m) long. Crane lifting capacity up to 100 tons. Canpress operates one of the largest plate rolls in Southern Ontario. Heavy plates and structural sections rolling capacity up to 120" (3 m) wide and 7 5/8" (195 mm) thick. Angle rolling capacity 6" x 6" x 3/4" (160 x 160 x 20 mm) hard-way.

WELDING PROCEDURES AND EQUIPMENT

All weld procedures prepared in accordance with the ASME Code Section IX. We can weld carbon, stainless steel and most alloys of all thicknesses. Most of our welding is done using automatic submerged arc process. MIG semi-automatic and TIG processes are also utilized.

ENGINEERING

Canpress provides a complete design and engineering service. Professional Engineers and designers on staff assure full compliance with all specifications and codes.