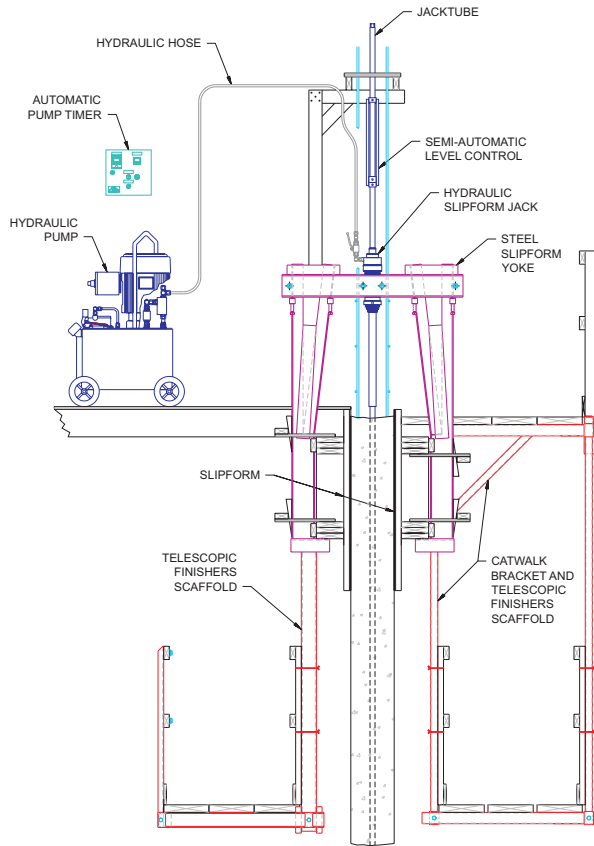


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SLIPFORM SECTION



Caissons
Chimneys & Towers
Dams
Glass Batch Plants
High-Rise Buildings
Feed & Flour Mills
Nuclear Shield Walls
Offshore Structures
Shafts
Silos:

BLENDING, CEMENT, CHIP, COAL
CLINKER, FLY ASH, GRAIN, KAOLIN
LIME, LNG, MALT, ORE, SLUDGE,
SLURRY, SALT, SUGAR

Silo Re-lining; INTERIOR & EXTERIOR
Bridge Piers and Pylons

SLIPFORMING

Vertical slipforming is the fastest and most efficient method for casting reinforced concrete walls in many types of structures. It is a construction technique that utilizes a mechanized moving platform system enabling semi-continuous placement of concrete.

Slipforming differs from conventional concrete forming in that concrete is placed or pumped into the slipforms and the forms act as moving dies to shape the concrete. The rate of movement of the forms is regulated so that the forms leave the formed concrete only after it is strong enough to retain its shape while supporting its own weight. Form ties are not used.

Pouring of the concrete, placement of reinforcement, installation of all blockouts and embedments, as well as finishing and inspecting the concrete surfaces, is performed gradually from work platforms permanently attached to the slipforms which rise together with the forms.

The slipforms and work platforms are raised by hydraulic jacks (with semi-automatic leveling devices) which climb on vertical steel rods or tubes that remain embedded in the hardened concrete walls. All jacks are operated simultaneously and they lift the slipform in increments of about 25mm every three to 12 minutes, depending on the rate of movement required.



SERVICES PROVIDED BY SCANADA

Planning

- Assistance in developing structural and construction details for structures to be slipformed.
- Assistance in developing the slipform system, operating details, and procedures for specific projects.

Design

- Design drawings for customer built slipform systems.

On-Site Technical Assistance

- Furnish qualified field technicians to advise during fabrication, installation, and operation of slipform systems on site.

Equipment Leasing and Sale

- 3, 6 and 22-ton hydraulic slipform jacks with built-in semi-automatic level control system.
- Jacktubes for 3, 6 and 22-ton jacks.
- Hoses, valves and fittings for the hydraulic circuits.
- Electric motor driven hydraulic pumps with automatic pump timer.
- A variety of high-clearance, steel slipform yokes with infinite adjustment for wall thickness.
- Telescopic finishers scaffold frames and brackets.



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