SCALABLE. AUTOMATED. EFFICIENT. PRECAST. SPANCRETE.
INNOVATION FOR THE NEXT GENERATION

For more than 70 years, Spancrete precast products not only set the standard for excellence, but our complete precast production solutions are sought after throughout the world.

Spancrete machinery provides efficient, technology-based precast production solutions that are scalable to individual plant needs, be it one piece to supplement an existing system, or a full multiple-product production system. From our four-in-one Slipformer to an Extruder and other ancillary offerings, Spancrete has the solutions for any size job.

When you install Spancrete machinery, you are making an investment built to stand the test of time. One that will ensure maximum production efficiency with an effective and low maintenance manufacturing process.
TECHNOLOGY-BASED PRECAST PRODUCTION SOLUTIONS

As the leading global provider of precast concrete solutions, Spancrete extends far beyond just the equipment and product output – using our knowledge as the only machinery manufacturer that is also a precast producer in the United States to help others succeed. We understand the challenges faced by manufacturers and are dedicated to continuing to innovate and offer quality solutions. As a result, our machinery is the most durable on the market.

Spancrete machinery helps our partners by leading the way in scalability, automation and efficiency.

• **Scalability:** Our expansive equipment line-up allows for installation of pieces that can scale production based on your individual needs. This means maximum flexibility to increase production capacity as your business expands.

• **Automation:** Eliminate errors and increase customer satisfaction with automation. Spancrete machinery streamlines the manufacturing process to produce with more uniform quality and tighter tolerances than any other system.

• **Efficiency:** At a time when every aspect of a plant is under evaluation, Spancrete machinery gives you the ability to scale operations, assuring you are also running efficiently. Many machines can execute rapid accessory changeovers, permitting them to be converted from one size of slab to another in under an hour, effectively increasing productivity.

WITH SPANCRICTE EQUIPMENT, OUR COMPANY HAS BECOME ONE OF THE LEADERS IN THE PRODUCTION OF PRESTRESSED PRODUCTS NOT ONLY IN UZBEKISTAN BUT IN CENTRAL ASIA.

- OLMOS BLOK (UZBEKISTAN)
There is no one-size fits all in precast machinery. No one-size machine. No one-size product. Precast producers must be equipped with a variety of tools to adjust to the changing needs of customers. Spancrete has the solutions to make it happen.

**SLIPFORMER**

The Spancrete Slipformer is a machine designed for the manufacture of prestressed hollowcore slabs. The Slipformer’s smooth hydraulic tamping and troweling mechanism results in smooth, flat surfaces, which can be carpeted or tiled directly with minimal preparation. A Spancrete Slipformer can manufacturer four different product lines with one piece of equipment. Unmatched dimensional specifications are within ± 0.063 inches (1.5 mm) – the tightest standards in the industry. The Slipformer can make slabs between 4 inches (10 cm) to 16 inches (40 cm) of thickness.

**EXTRUDER**

The Spancrete Extruder manufactures prestressed hollowcore slabs. The Extruder can make slabs between 5 inches (12 cm) up to 20 inches (50 cm) of thickness. It has augers that perform the direct drive by individual electrical motors; this technical solution eliminates the need for a gearbox, allowing individual regulation of the speed of the augers and easier adjustment to the machine for various concrete mass.

**PLOTTER**

The Spancrete Plotter makes it possible to draw data such as angles, piece segmentation, project identification and the area to be notched for installation. The Plotter can also print onto the sides of the hollowcore slabs.

**MULTI-FUNCTION MACHINE**

The Spancrete Multi-Function Machine is used for the preparation of a bed and is designed to serve multi-operational requirements for hollowcore production; from cleaning the top surface to oiling the bed to pulling multiple strands the length of the bed.
Spancrete custom develops lifting equipment to customers’ specific production requirements. Our Clamps are heavy-duty and have high load ratings. Our lifting equipment features quick engagement and release; ensuring a smooth continuous workflow.

LIFTING CLAMPS/LEVELING BARS

Spancrete Saws are used to cut the hollowcore to the desired length after the concrete is cured. Certain saw models are capable of sawing angles from 0-180 degrees. The Saws are fully adjustable to perform well in each specific environment.

SAWS

Spancrete custom develops lifting equipment to customers’ specific production requirements. Our Clamps are heavy-duty and have high load ratings. Our lifting equipment features quick engagement and release; ensuring a smooth continuous workflow.

LIFTING CLAMPS/LEVELING BARS

Spancrete Wire/Strand Drawing Equipment is used to lay the steel wires on the casting beds, unwinding the cable from the wire coil rack or the stackable strand decoilers.

WIRE/STRAND DRAWING EQUIPMENT

The production of prestressed concrete elements requires many accessories, consumables and spare parts. All the ancillary equipment needed is available from Spancrete. With more than 70 years of precast expertise, our parts and service team is by your side; protecting your investment and ensuring success for years to come.

ANCILLARY EQUIPMENT

“SPANCRETE’S SUPPORT AND PARTNERSHIP HELPED US IN THE ADJUSTMENT OF EQUIPMENT, PRODUCTION AND PROCESSES. WE BELIEVE THE WORK THAT HAS BEEN ACHIEVED IS ONLY THE BEGINNING.”

- DIRECT CONSTRUCTION SERVICE, LLP (KAZAKHSTAN)
SLIPFORMER

The Spancrete Slipformer is unmatched in the industry. Its smooth hydraulic tamping and oscillating slipforming system minimizes machine wear and reduces maintenance, allowing operations to consistently meet production schedules.

The Spancrete Slipformer can produce four different building products with one machine, providing unparalleled flexibility and diversity in your production system.

It is also the only precast system capable of producing additional slabs on top of the initial slab (stack casting). Stack casting multiple layers results in flexible production scheduling, more capacity and better use of available plant space.

“WE LOOK FORWARD TO EMBARKING ON NEW OPPORTUNITIES USING SPANCRETE MACHINERY AS THEY DEVELOP NEW STRATEGIES WITH EQUIPMENT THAT CAN PRODUCE HOLLOWCORE AND OTHER PRODUCTS TO MEET THE NEEDS OF THE INDUSTRY.”

- PRECONCO LIMITED (BARBADOS)
**GT 120**
Produce finished product on 6 casting beds at 48 in/1.2 m wide. Stack casting is possible for floor slabs.

- **Dimensions (LxWxH)**: 25.9 ft (7.9 m) x 39.34 ft (12 m) x 22.83 ft (6.96 m)
- **Weight**:
  - Loaded: 160,000 lb (73,000 kg)
  - Empty: 136,000 lb (62,000 kg)
- **Energy Consumption**:
  - Peak Load/Performance: 95.8 kW (155 amps)
  - Operational Load Performance: 54.2 kW (85 amps)
- **Hopper Capacity**: 6 yd³ (4.5 m³)

**GT 240**
Produce finished product on 3 casting beds at 96 in/2.4 m wide. Capable of stack casting and producing divided product.

- **Dimensions (LxWxH)**: 25.9 ft (7.9 m) x 39.34 ft (12 m) x 22.83 ft (6.96 m)
- **Weight**:
  - Loaded: 200,000 lb (90,720 kg)
  - Empty: 155,000 lb (70,310 kg)
- **Energy Consumption**:
  - Peak Load/Performance: 95.8 kW (155 amps)
  - Operational Load Performance: 54.2 kW (85 amps)
- **Hopper Capacity**: 12 yd³ (9.2 m³)

**LP 120**
Produce a 48 in/1.2 m wide slab on a single casting bed. Multiple bed layouts available. Stack casting is possible for floor slabs.

- **Dimensions (LxWxH)**: 21.23 ft (6.47 m) x 8.33 ft (2.54 m) x 14.26 ft (4.347 m)
- **Weight**:
  - Loaded: 51,500 lb (23,400 kg)
  - Empty: 27,500 lb (12,500 kg)
- **Energy Consumption**:
  - Peak Load/Performance: 95.8 kW (155 amps)
  - Operational Load Performance: 54.2 kW (85 amps)
- **Hopper Capacity**: 6 yd³ (4.5 m³)

**LP 240**
Produce 96 in/2.4 m wide slabs on a single casting bed. Multiple bed layouts available. Capable of stack casting and producing divided product.

- **Dimensions (LxWxH)**: 21.23 ft (6.47 m) x 12.33 ft (3.76 m) x 14.26 ft (4.347 m)
- **Weight**:
  - Loaded: 76,000 lb (34,500 kg)
  - Empty: 32,000 lb (14,500 kg)
- **Energy Consumption**:
  - Peak Load/Performance: 95.8 kW (155 amps)
  - Operational Load Performance: 54.2 kW (85 amps)
- **Hopper Capacity**: 12 yd³ (9.2 m³)
The Spancrete Extruder is designed to produce a variety of hollowcore slab cross sections and thicknesses. It can be run automatically, and offers a platform for easy passage over the slab and access to the hopper. The Extruder can be adjusted remotely and is also set up for 24-hour remote diagnostic functionality. The Extruder can be easily converted to different product thicknesses in less than 30 minutes.

**EXTRUDER**

Dimensions (LxWxH)  
13.17 ft (4.01 m) x 5.5 ft (1.68 m) x 7.67 ft (2.34 m)

Weight  
Loaded: 24,000 lb (10,900 kg)  
Empty: 16,300 lb (7,400 kg)

Power Supply  
3P + PE 400 V 50/60 Hz, main fuses. Max 125 amps.

Energy Consumption  
Operational Load Performance: 54.2 kW (85 amps)  
Peak Load/Performance: 95.8 kW (155 amps)

Hopper Capacity  
2.0 yd³ (1.5 m³)
Fully automatic and battery driven, the Spancrete Plotter runs on top of the casting bed rails and draws all the marks for straight cuts, angle cuts, electrical sockets, slab number, manufacturer logo and different cut-outs on the wet concrete.

Software systems, in either 3-D or 2-D, can wirelessly send files to the Spancrete Plotter to provide for full automation and immediate production capabilities.

- Plotter can drill weep holes
- Plotter can print on top and one or both sides of product
- Plotter can print on concrete and steel

<table>
<thead>
<tr>
<th>Specification</th>
<th>Details</th>
</tr>
</thead>
<tbody>
<tr>
<td>Dimensions (LxWxH)</td>
<td>6.75 ft (2.06 m) x 5.75 ft (1.75 m) x 5.08 ft (1.55 m)</td>
</tr>
<tr>
<td>Weight</td>
<td>3,500 lb (1,600 kg)</td>
</tr>
<tr>
<td>Power Supply</td>
<td>24 VDC</td>
</tr>
<tr>
<td>Recharging Time</td>
<td>4-8 hours</td>
</tr>
</tbody>
</table>
The Spancrete Multi-Function Machine carries out different tasks, from cleaning the top surface of the casting bed and collecting waste, to pulling the strands on a clean casting bed, as well as oiling the bed just prior to production. It features 4-wheel drive for easy operation and the flexibility of pulling multiple strands in one pass for the full length of the bed, providing the ultimate in efficiency.

Additional side scrapers and brush attachments can aid in the cleanup and bed preparation process.

### MULTI-FUNCTION MACHINE

<table>
<thead>
<tr>
<th>Dimensions (LxWxH)</th>
<th>15.5 ft (4.72 m) x 5.5 ft (1.68 m) x 8.5 ft (2.59 m)</th>
</tr>
</thead>
<tbody>
<tr>
<td>Weight</td>
<td>9,920 lb (4,500 kg)</td>
</tr>
<tr>
<td>Power Supply</td>
<td>240 V/480 V or a battery option</td>
</tr>
</tbody>
</table>
SAWS

4-FOOT/1.2-METER BED SAW
The Spancrete Bed Saw rides directly on the slab, allowing for multi-level stack casting. It is capable of performing 90-degree cross cuts, and is designed with an automatic cutting cycle after it's manually aligned to the cutting location.

<table>
<thead>
<tr>
<th>Dimensions (LxWxH)</th>
<th>8.2 ft (2.49 m) x 6.3 ft (1.93 m) x 5.6 ft (1.73 m)</th>
</tr>
</thead>
<tbody>
<tr>
<td>Weight</td>
<td>4,200 lb (1,900 kg)</td>
</tr>
<tr>
<td>Saw Motor</td>
<td>40 HP @ 480 V (32 HP @ 380 V)</td>
</tr>
<tr>
<td>Depth of Cut</td>
<td>Up to 20 in (50 cm)</td>
</tr>
<tr>
<td>Equipment Pairing</td>
<td>GT 120, Extruder</td>
</tr>
</tbody>
</table>

MULTI-ANGLE SAW
The electric-driven Spancrete Multi-Angle Saw can run in manual or fully automatic. It is appropriate for slabs with a height of up to 21.7 inches (550 mm) and width up to 48 inches (1.2 m).

<table>
<thead>
<tr>
<th>Dimensions (LxWxH)</th>
<th>18.7 ft (5.7 m) x 7.4 ft (2.25 m) x 9.2 ft (2.8 m)</th>
</tr>
</thead>
<tbody>
<tr>
<td>Weight</td>
<td>15,400 lb (7,300 kg)</td>
</tr>
<tr>
<td>Saw Motor</td>
<td>75 HP @ 480 V</td>
</tr>
<tr>
<td>Depth of Cut</td>
<td>Up to 20 in (50 cm)</td>
</tr>
<tr>
<td>Equipment Pairing</td>
<td>GT 120, Extruder</td>
</tr>
</tbody>
</table>

RADIAL ARM SAW
The Spancrete Radial Arm Saw rides directly on the slab and is capable of performing 90-degree cross cuts, and left or right angle cuts up to 45 degrees on the casting bed.

<table>
<thead>
<tr>
<th>Dimensions (LxWxH)</th>
<th>18.5 ft (5.64 m) x 5.4 ft (1.65 m) x 8.7 ft (2.64 m)</th>
</tr>
</thead>
<tbody>
<tr>
<td>Weight</td>
<td>11,400 lb (5,171 kg)</td>
</tr>
<tr>
<td>Saw Motor</td>
<td>75 HP @ 480 V (60 HP @ 380 V)</td>
</tr>
<tr>
<td>Depth of Cut</td>
<td>Up to 20 in (50 cm)</td>
</tr>
<tr>
<td>Equipment Pairing</td>
<td>GT 120</td>
</tr>
</tbody>
</table>

BRIDGESAW
Capable of performing 90-degree cross cuts, and left or right angle cuts up to 89 degrees on a casting bed, the Spancrete Bridgesaw rides directly on the same rails as a Gantry.

<table>
<thead>
<tr>
<th>Dimensions (LxWxH)</th>
<th>11.4 ft (3.48 m) x 39.3 ft (12 m) x 9 ft (2.74 m)</th>
</tr>
</thead>
<tbody>
<tr>
<td>Weight</td>
<td>28,000 lb (12,750 kg)</td>
</tr>
<tr>
<td>Saw Motor</td>
<td>32 HP @ 480 V (25 HP @ 380 V)</td>
</tr>
<tr>
<td>Depth of Cut</td>
<td>Up to 20 in (50 cm)</td>
</tr>
<tr>
<td>Equipment Pairing</td>
<td>GT 240</td>
</tr>
</tbody>
</table>

LEVELER SAW
The Spancrete Leveler Saw rides directly on the casting beds and has a low-profile design that also allows cutting while casting in adjacent casting beds. It is designed to perform 90-degree cross cuts and can also be fitted with a reveal blade with an optional accessories package.

<table>
<thead>
<tr>
<th>Dimensions (LxWxH)</th>
<th>13.3 ft (4.06 m) x 12.0 ft (3.66 m) x 7.4 ft (2.26 m)</th>
</tr>
</thead>
<tbody>
<tr>
<td>Weight</td>
<td>8,500 lb (3,900 kg)</td>
</tr>
<tr>
<td>Saw Motor</td>
<td>40 HP @ 480 V (32 HP @ 380 V)</td>
</tr>
<tr>
<td>Depth of Cut</td>
<td>Up to 20 in (50 cm)</td>
</tr>
<tr>
<td>Equipment Pairing</td>
<td>GT 240, LP 240</td>
</tr>
</tbody>
</table>

CROSSCUT SAW
The Spancrete Crosscut Saw is built to ride directly on the same rails as the Spancrete LP240 Slipformer, allowing for fast, accurate cross cuts. It can also be fitted with a reveal blade with an optional accessories package.

<table>
<thead>
<tr>
<th>Dimensions (LxWxH)</th>
<th>7.5 ft (2.29 m) x 14.6 ft (4.45 m) x 7.1 ft (2.16 m)</th>
</tr>
</thead>
<tbody>
<tr>
<td>Weight</td>
<td>11,000 lb (4,990 kg)</td>
</tr>
<tr>
<td>Saw Motor</td>
<td>40 HP @ 480 V (32 HP @ 380 V)</td>
</tr>
<tr>
<td>Depth of Cut</td>
<td>Up to 20 in (50 cm)</td>
</tr>
<tr>
<td>Equipment Pairing</td>
<td>LP 240</td>
</tr>
</tbody>
</table>
Spancrete offers a wide variety of Lifting Clamps for each product. These mechanisms provide efficient handling, transport and stacking of hollowcore sections. A range of different Clamps are available depending on the form, depth and length of the hollowcore.

We can supply custom lifting equipment for every product manufactured. The same equipment can be used for lifting most hollowcore slabs in the plant, stockyard and on the construction site.
Spancrete Wire/Strand Drawing Equipment is used to lay the steel wires on the casting beds, unwinding the cable from the wire rack or the stackable strand decoilers.

**RABBIT**

The Spancrete Rabbit can pull multiple strands in either direction, depending on the size of the strand and length of the casting bed, in excess of 300 feet-per-minute (91 m/min).

**Dimensions (LxWxH)**: 55 in (1.40 m) x 50 in (1.27 m) x 28 in (0.71 m)

**Weight**: 1,100 lb (500 kg)

**Power Supply**: Honda 8 HP Electric Start Gasoline Engine

**MULTI-FUNCTION MACHINE**

The Spancrete Multi-Function Machine carries out different tasks, from cleaning the top surface of the casting bed and collecting waste, to pulling the strands on a clean casting bed, as well as oiling the bed just prior to production.

**Dimensions (LxWxH)**: 15.5 ft (4.72 m) x 5.5 ft (1.68 m) x 8.5 ft (2.59 m)

**Weight**: 9,920 lb (4,500 kg)

**Power Supply**: 240 V/480 V or a battery option
Diamond Cutting Blades are used to cut prestressed concrete elements with special sawing machines. The diameter of the blade used must be chosen according to the thickness of the element to be cut.

Bed Cleaner
Helping to ensure quick turnover, the Spancrete Bed Cleaner quickly removes debris and water between production cycles. Running at a drive speed of 0-4 miles per hour (0-6.5 km/h) it can cover up to 56,000 square feet (5,200 m²) in an hour.
TENSIONING JACK
Spancrete’s Tensioning Jack has 60 inches (152 cm) stroke for 1/2-inch (12.7 mm) strand. A “Y”-chain sling is included for easy manipulation into strand, a magnetic torpedo level is included to make sure the unit is level and an anti-twist bar on the pulling yoke can be used to measure elongation.

REMOTE BUCKET SYSTEM
The Remote Bucket System allows the clam shell discharge gates to be operated remotely. There is no need to attach auxiliary air, resulting in safer operation.

BUCKET SYSTEM
With a mix capacity of 3 cubic yards (2.3 m³), the Spancrete Bucket System is air operated with a clam shell style and features a bottom discharge.

SUCTION MACHINE
The Spancrete Suction Machine helps increase productivity when a lot of openings need to be created in wet concrete. It features two concrete waste buckets, allowing the machine to run continuously without stopping when the first bucket is filled.
TILT TABLES
Used for manufacturing precast concrete wall panels, Spancrete Tilt Tables can be manually or hydraulically operated. Tables can tilt up to 75 degrees, and are available in five standard sizes, or can be custom manufactured.

COLUMN FORMS
Spancrete manufactures a variety of concrete forms for column applications.

BEAM FORMS
Spancrete manufactures a variety of concrete forms for beam applications.
STEEL EXTRUDER CASTING BEDS
Steel Extruder Casting Beds are made from precision engineered modules consisting of the base, side edges and rails to carry the production machinery, and are reinforced longitudinally and transversely along the entire length of the bed. The Casting Beds can be configured for heating to accelerate curing.

HOOK MACHINE
The Spancrete Hook Machine can be partial or fully automatic. It is used for placing lifting hardware in a fresh slab.

STAIR FORMS
The Stair Form from Spancrete is fully adjustable with a plate surface coated with an oxide layer for corrosion protection. It is a nine step form, with a riser angle of 90 degrees.

BATCH PLANT
Spancrete can custom design a concrete Batch Plant to meet your production needs for today and account for expansion capabilities for the future.

“WORKING WITH SPANCRETE HAS BEEN A GOOD EXPERIENCE. NOT ONLY THEIR SERVICE, BUT THE CONTINUAL EDUCATION THEY PROVIDE.”

– KIE-CON INC. (U.S.A.)
SLIPFORMER

A Spancrete Slipformer is able to produce a variety of thicknesses, ranging from 4 inches (10 cm) to 16 inches (40 cm); it also has the ability to produce divided products and perform stack casting.

### SPECIFICATIONS

#### Standard Series

<table>
<thead>
<tr>
<th>48 in/1.2 m</th>
<th>48 in/1.2 m</th>
<th>48 in/1.2 m</th>
</tr>
</thead>
<tbody>
<tr>
<td>4 in 10 cm</td>
<td>10 in 25 cm</td>
<td>6 in 15 cm</td>
</tr>
<tr>
<td>6 in 15 cm</td>
<td>12 in 30 cm</td>
<td>8 in 20 cm</td>
</tr>
<tr>
<td>8 in 20 cm</td>
<td>14 in 35 cm</td>
<td>9 in 22 cm</td>
</tr>
<tr>
<td>9 in 22 cm</td>
<td>15 in 38 cm</td>
<td>10 in 25 cm</td>
</tr>
<tr>
<td>10 in 25 cm</td>
<td>16 in 40 cm</td>
<td>11 in 26 cm</td>
</tr>
<tr>
<td>11 in 26 cm</td>
<td></td>
<td>12 in 30 cm</td>
</tr>
<tr>
<td>12 in 30 cm</td>
<td></td>
<td></td>
</tr>
</tbody>
</table>

#### Special Series

- **RePlenish™**
  - 6 in 15 cm

- **Rib Slab**
  - 8 cm

#### Type of Insulation

<table>
<thead>
<tr>
<th>Type of Insulation</th>
<th>2 in/5.0 cm R</th>
<th>2 in/5.0 cm U</th>
<th>3 in/7.5 cm R</th>
<th>3 in/7.5 cm U</th>
<th>4 in/10.0 cm R</th>
<th>4 in/10.0 cm U</th>
</tr>
</thead>
<tbody>
<tr>
<td>Expanded Polystyrene¹</td>
<td>11.14</td>
<td>.090</td>
<td>15.49</td>
<td>.064</td>
<td>19.84</td>
<td>.050</td>
</tr>
<tr>
<td>Extruded Polystyrene²</td>
<td>12.14</td>
<td>.080</td>
<td>17.44</td>
<td>.057</td>
<td>22.44</td>
<td>.044</td>
</tr>
<tr>
<td>Poly-isocyanurate²</td>
<td>16.74</td>
<td>.060</td>
<td>23.89</td>
<td>.042</td>
<td>31.04</td>
<td>.032</td>
</tr>
</tbody>
</table>

¹ R values shown are averaged values tested at mean 75°F/24°C.
² R values shown are averaged aged values tested at mean 75°F/24°C.

Contact your local Spancrete representative for details.
EXTRUDER

The Extruder from Spancrete is able to produce a variety of thicknesses, ranging from 5 inches (12 cm) to 20 inches (50 cm). Cross sections can be designed for an assortment of project designs.

Extruder Cross Sections

5 in  
12 cm

8 in  
20 cm

10 in  
25 cm

12 in  
30 cm

16 in  
40 cm

20 in  
50 cm