PANCAST

MACHINES AND PRODUCTS

TEKSAM
CONCRETE DRY-CAST SOLUTIONS

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Precast Production Systems to fit your needs!

"Teksam Pancast 4080" with Handling Crane.

Handling Crane in standby position with curing pallet positioned in the crane's Flip Frame.

Teksam Pancast Machines.

Teksam Pancast Machines are available for Dry-casting concrete products in lengths up to 5 meters and widths up to 1.25 meters. The machines are built from standardized modules which provides great flexibility for customizing the degree of automation and for installation in existing buildings. Due to the very efficient vibration technology the concrete products are very dense and can be stacked fresh on fresh up to 1.2 meters height for curing. Plastic lined plywood is commonly used for curing pallets for panel type products.
Plywood pallets for panel production reduces the initial capital costs and the daily operations costs.

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Other systems require expensive steel pallets for handling each product individually since stacking of products fresh on fresh for curing cannot be accomplished without violating the shapes of the products.

Stacking fresh on fresh on plywood pallets reduces the time required for de-palletizing since heavy steel pallets requiring crane for handling are not involved.

A "Teksam Pancast" production station typically includes:

- **Vibration Station**
- **Feeding & Trowelling Unit**
- **Handling Crane**
- **Hydraulic Power-pack**
- **PLC-based Controle System**
- **Moulds**

Hydraulic Power-pack:

The hydraulic power-pack includes: All Pumps and Valves required for the operation of the Production Station.
The Handling cranes includes separate Hydraulic Power-packs.

The Handling Crane's Flip Frame.

Here shown in stand-by position with curing pallet positioned in the Flip Frame.

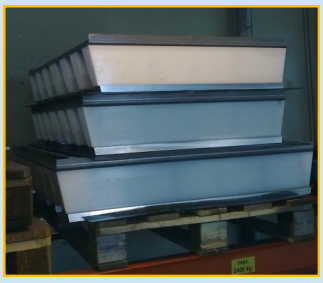
The Flip Frame is an integrated part of the "Handling Crane".

The functions of the Flip Frame are:

- Picking up the curing pallet from the pallet storage.
- Positioning the curing pallet on top of the mold and pick up mold + curing pallet.
- Flip mold with product and curing pallet 180 degree.
- Position the concrete product and the curing pallet on the demolding position.
- Release the curing pallet and demold the product.
- Reposition the mold on the Vibration Unit.

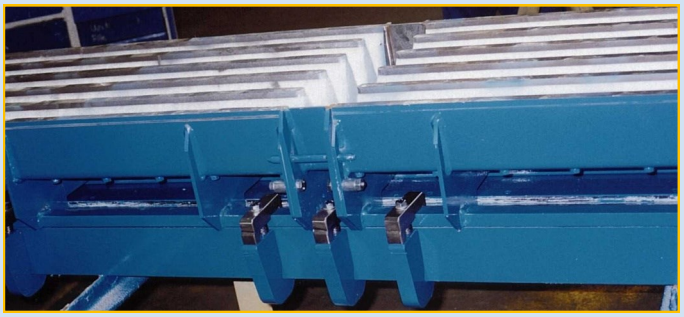
Vibration Unit with mold + Filling/Troweling unit.

The Vibration Unit includes a number of integrated "Wedge Locks" for firmly attachment of the mold to the Vibration Unit.



Hog slat mold.

The mold consist of a number of sections that can be combined to provide molds for several lengths of slats.



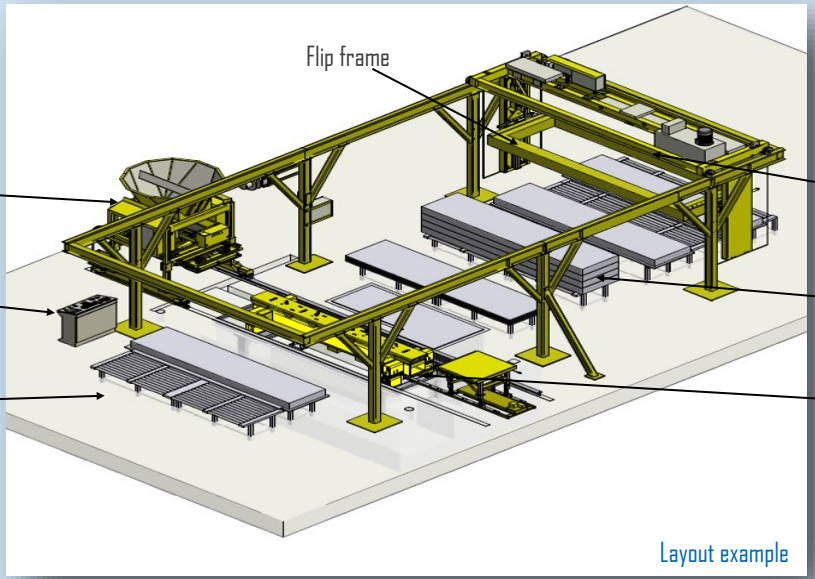
Features & Benefits

Teksam vibration technology provides infinitely frequency control and adjustable amplitude setting to generate an optimized vibration level for different types and sizes of concrete products.
Teksam's superior vibration technology produces a denser more uniformly consolidated concrete product.
Particular for the production of hog and cattle slats this results in stronger slats with low absorption which results in more durable and long lasting slats in the barn.

PLC Control System programmable for up to 99 different products.
The control system which is programmable for up to 99 different products ensures consistency in product quality and in a fast mold change.

Steel pallets and suitable Handling Cranes.
Are available for handling products such as U-channels which are not suitable for stacking fresh on fresh on plywood pallets.

Teksam Pancast Machines are available in several versions, ranging from manual operated setups to automated machines including handling cranes for increased output without additional operators.



Teksam Pancast Production Stations are rated for the following sizes of concrete products:

Standard Types	Max. Product length	Max. Product width	Max. Product height	Max. Product weight
Pancast 5125	5.0 meter 16 feet	1.25 meter 4 feet	0.90 meter 3 feet	5,000 Kg 11.000 lbs
Pancast 4125	4.0 meter 13 feet	1.25 meter 4 feet	0.90 meter 3 feet	4,000 Kg 9.000 lbs
Pancast 4080	4.0 meter 13 feet	0.80 meter 2.6 feet	0.30 meter 1 foot	3,000 Kg 7.000 lbs

Customized versions available upon request.

The **Teksam Pancast** series of dry-cast concrete Production Stations are developed and engineered for automated production of reinforced and none reinforced concrete products such as:

Hog and cattle Slats

U-Channels

Foundation Piles

Guard Rail Posts

Median Barriers

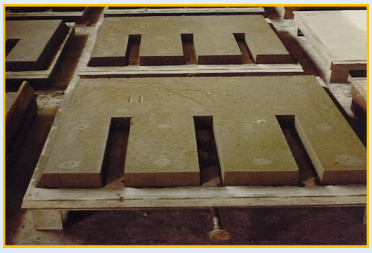
Sunshade bases

Base slabs

Foundation blocks

Grade rings

Baffles



These are only a few examples of what can be produced with the Pancast Machines.

More than 35 years of experience.

Teksam designs and builds high-performance equipment for the dry-cast concrete industry. Founded in Denmark 1979 we have supplied equipment for the concrete industry for more than 35 years. Our innovative systems and commitment to customer service have made us the first choice for companies globally.

For more information please go to **www.teksam.com**

Or find us online YouTube

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