



Prima Scape Wetcast Automation



The ideal system for producing:

- Concrete slab products
- Stone and other veneer products
- Many specialty architectural products

Prima 360 is our innovative family of wetcast equipment and automation systems. Prima leverages a wide range of technologies we've developed internally to bring you the power to get wetcast products to market faster and with the utmost quality. No matter the size of your operation or range of products you make, we have a Prima to meet your needs and budget. With Prima you'll enhance productivity, reduce labor issues, increase throughput, and, ultimately, win more business.

Prima

Cutting-edge wetcast automation system designed to bring assembly line efficiency to the production of infrastructural products.

Prima is the ultimate system to take the guesswork and variability out of your wetcast product production. With a state-of-the-art production loop, automatic inventory management system and real-time analytics, Prima's highly optimized work stations reduce labor and increase throughput. Prima simplifies planning and provides all the metrics needed to optimize processes at every level of production.



Prima Base

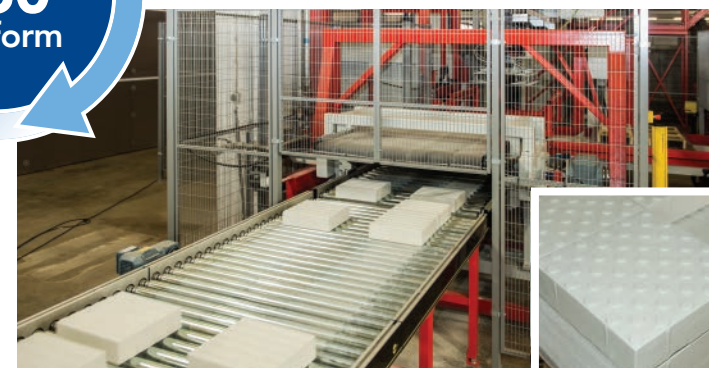
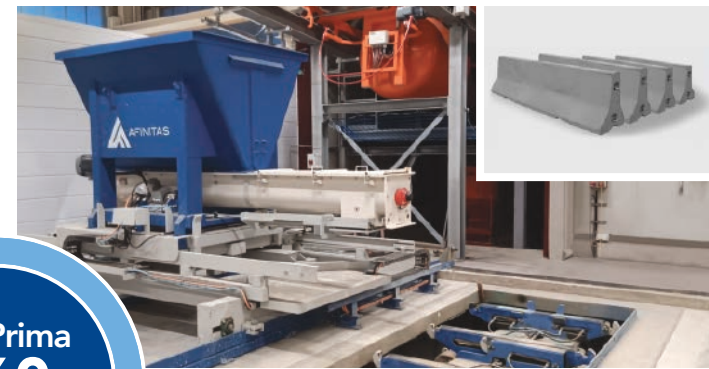
Maximize production efficiency, range and consistency of monolithic manhole bases.

Prima Base is an intuitive design software for creating limitless channel flow options for monolithic manhole bases. Prima Base transforms the labor-intensive, inconsistent traditional methods of producing monolithic manhole bases using an intelligent digital configurator and precision EPS milling system. Increase your output and quality while reducing rework with Prima Base.

Prima Fit

Ingenious automation that flexes to your factory footprint or precast concrete product requirements.

Prima Fit—as the name suggests—is wetcast automation that scales to fit your requirements. It's a powerful, yet economical option that utilizes vertical product stacking to maximize floor space. In addition, Prima Fit can be easily configured to produce specialty precast structures that would require extra space and set up time on other systems. The flexibility and affordability of Prima Fit makes it an excellent choice to optimize your wetcast operations without breaking the bank.



Prima Scape

Experience the beauty and precision of concrete slab and veneer production automation.

Prima Scape draws upon decades of vibration technology to help you create visually appealing and mechanically precise slabs, pavers, veneers and more. With one automated system, create reproductions of natural stones, slate, granite or terracotta in exact laying units for flooring, pool and fountain slabs, patios, deck slabs and other residential and commercial applications.



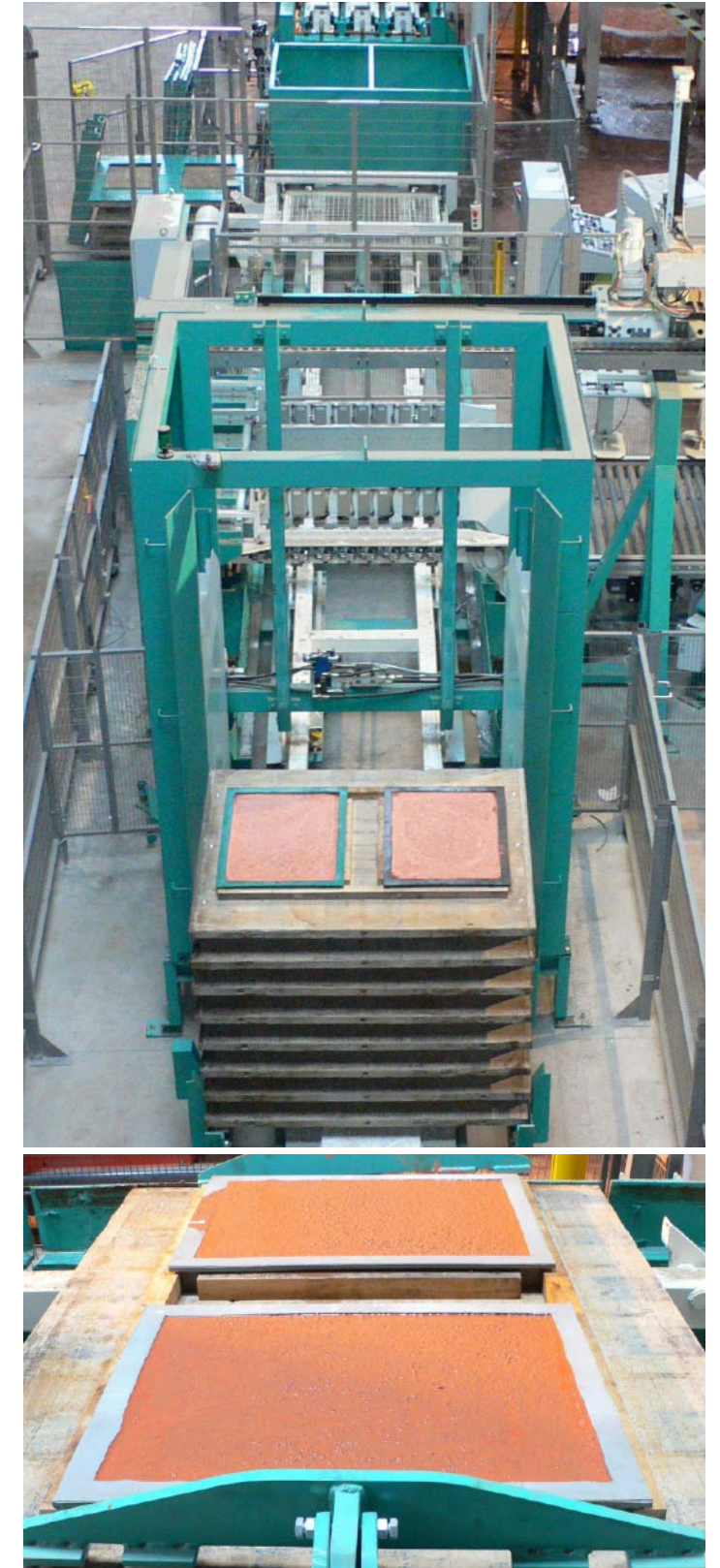
Mass produce concrete slab and other specialty precast products.

The Prima Scape production system for wetcast concrete slabs is a modular system that provides everything you need, from a simple entry-level machine up to a fully automated production line with climate-controlled curing and a robotic packaging station. Your system can be assembled specifically for your needs.

Capacity:

- Cycle time for pallet + 35 sec. with a maximum of 6 products per cycle
- Standard width pallet: 1/16" (1.400 mm)
- Standard length pallet: 3/64" (1.100 mm)
- Max. product height: 4" (100 mm-different heights can be discussed)
- Polyurethane (PUR) molds for slab production (other materials can be discussed)

End Products



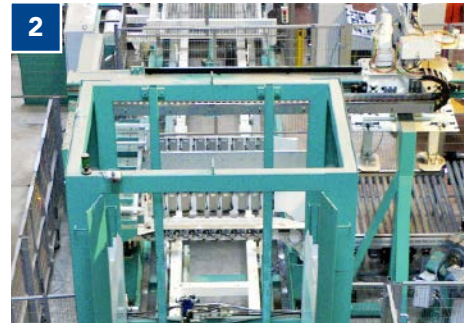
Prima Scape Concrete Slab Production Line

The Prima Scape production system for wetcast concrete slabs is a modular system that provides everything you need, from a simple entry-level machine up to a fully automated production line with climate-controlled curing and a robotic packaging station.



Dry Product Shelving

- The process line begins here
- Flexible elevator for boards of wood, steel and plastic



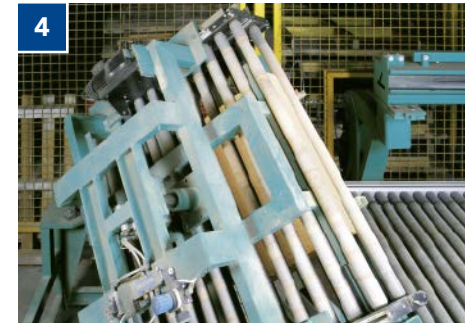
Pallet Stacking Magazine

- Buffer or loading station
- Move pallet stack via forklift or cart



Product Demolding

- Demolding head of up to 6 products in one cycle
- Accommodates individual demolding for critical products



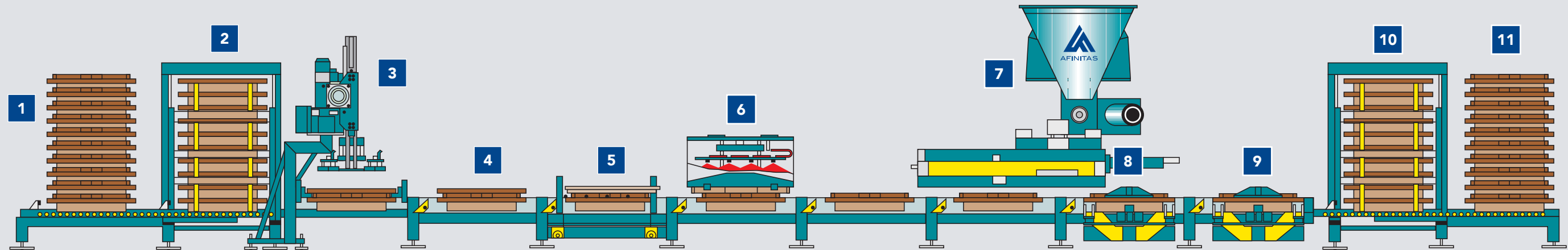
Product Turnover Device

- Includes product exit conveyor
- Safely turns product to eliminate damage



Mold Cleaning

- Clean without losing cycle time
- System cleans the molds while preparing for the next release spraying step
- Performed simultaneously with regular production process



Release Agent Spraying Station

- Airless system for clean and exact spraying of release agent
- Less spraying of fog or mist in area surrounding the mold
- Specially designed multi-directional spraying pistols available



Dosing Unit

- Multicolor doser with fully automatic size change
- Dose by weight or volume
- Customize to product requirements
- Manual or automation options



Vibration and Compaction Tables

- Innovative technology calculates exact dosing
- Volumetric filling in each mold allows optimal compaction and filling to ensure quality
- Vibration can be customized for individual products



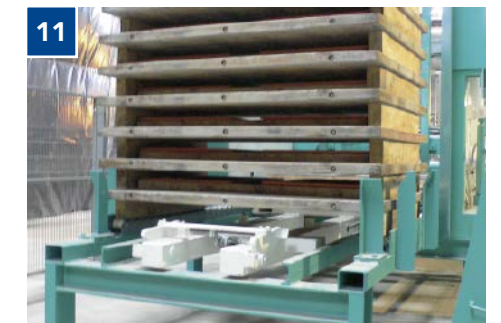
Advanced Production Software

- Main control with touch screen and also with process control on demand



Pallet Stacking Magazine

- For forklift traffic or fully automatic handling station



Pallet Output for Curing

Mass produce veneer stone and other specialty products

Capacity:

- Cycle time for pallet 30–50 sec. for one battery mold
- Standard width pallet: 3/64" (1.200 mm)
- Standard length pallet: 38" (950 mm)
- Standard Volume per board: approx. 6' 2" (1600 mm)
- Max. product height: must be discussed
- Polyurethane (PUR) molds for veneer production
- Coloring of the products is manual process

Veneer Molds

The molds can be made from different materials but we recommend Polyurethane (PUR) for the highest quality.



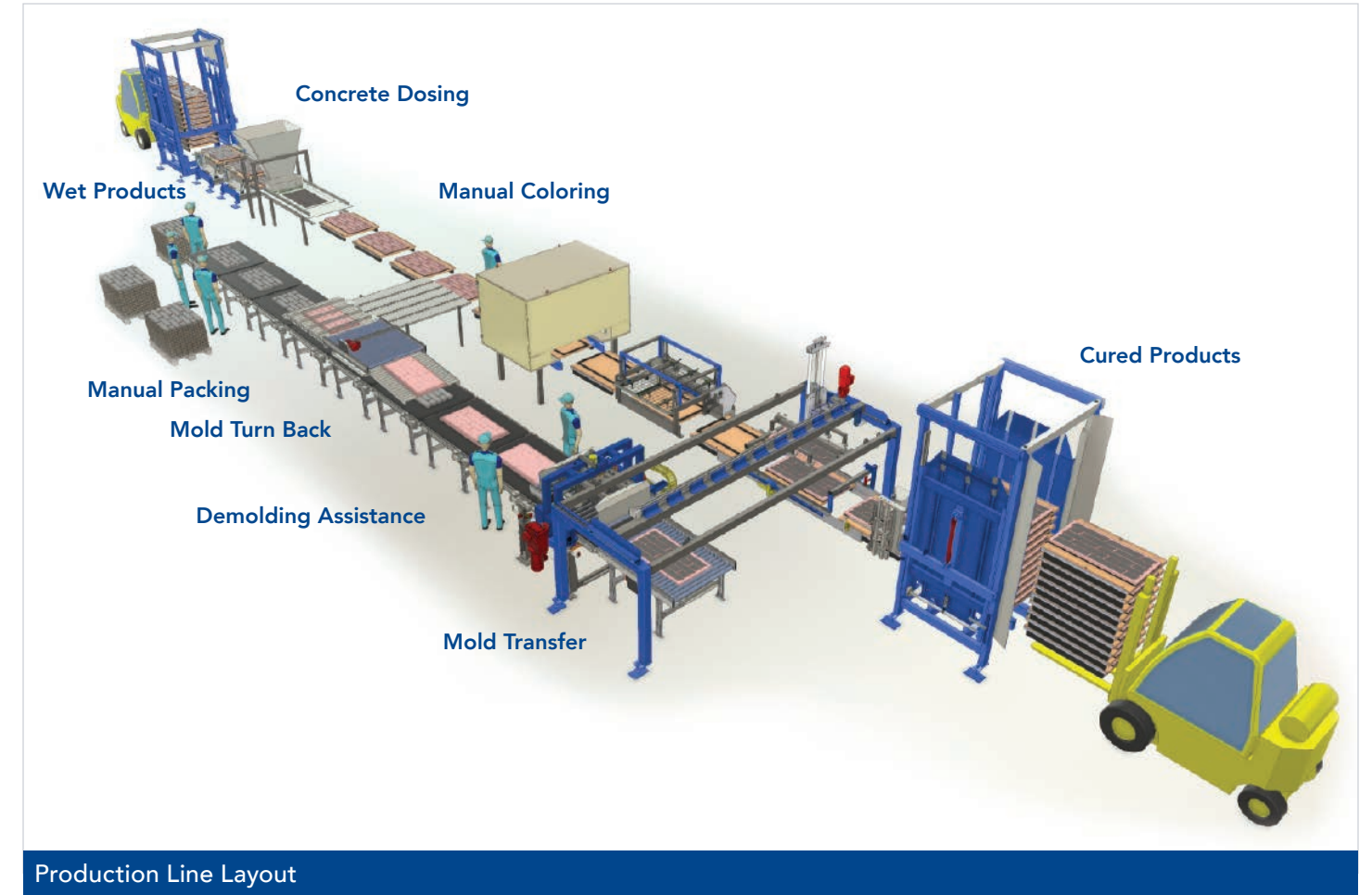
Prima Scape polymer molds



For more information on the Prima 360 system that's right for your operation, contact your local Afinitas sales representative.



Demolding Robot



End Products





Prima Scape

A Smarter Way to Wetcast

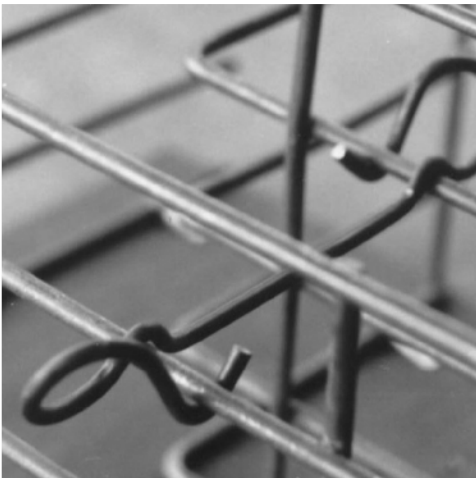


Equipment & Automation



Forming Systems

Concrete Accessories



Intelligent Infrastructure Solutions
Visit www.afinitas.com to learn more.

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Intelligent Infrastructure Solutions

Afinitas is a global, comprehensive and customer-oriented equipment, automation, forming and accessories platform for precast concrete and infrastructural products.

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