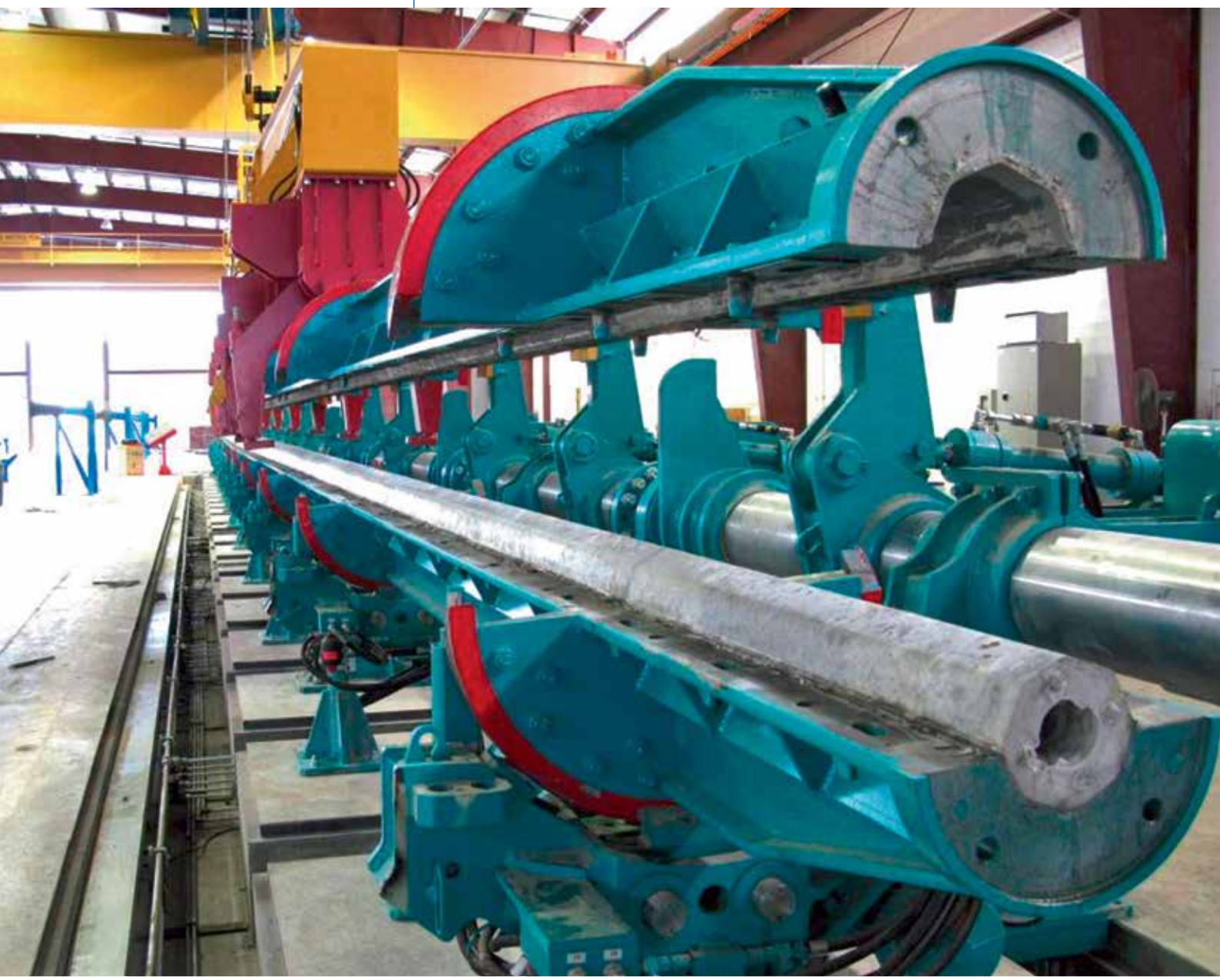
AFINITAS

BFS
Concrete Poles & Piles Equipment



Technologies for spun & vibrated concrete

- Reinforced and prestressed concrete poles and piles
- Transmission lines, railway electrification
- Lighting poles / ornamental, decorative
- Telecommunications towers
- Precast and prestressed piles

www.afinitas.com

BFS
Precast concrete spun poles technology

A Legacy of Pipe Innovation

The decades of expertise and experience of the engineers at BFS and the continuous advancement of BFS spun concrete technologies also find ideal use in the manufacturing of these products. With the benefit of the spinning and pre-stressing process, the poles and piles manufactured on BFS equipment do have the highest density, lowest weight and best strength-to-weight ratio. This can be guaranteed due to more than 50 years of experience in this field, producing state of the art centrifugal spinning equipment.

Precast and Prestressed Spun Poles Technology

This technology is used for transmission lines lighting systems, park lighting, decorative poles for street lighting and more.
The use of biconical moulds enables significantly increased productivity as two products or more can be spun in each cycle. The degree of automation can be improved to the customer's requirements in terms of productivity and flexibility to produce different sizes in the same cycle.

Main Features:

- Production range: From 300-1200 mm outer diameter.
- From 6 up to 50 m length single piece.
- Biconical moulds for two pieces or more per mould.
- PLC Controlled Spinning Process.
- Quick opening and closing procedures of moulds.
- Fast concrete filling system.
- Shapes of tapered poles: circular, square, hexagon, octagon, fluted, flared, decorative shape any regular geometric section.

Precast and Prestressed Concrete Pole Production by Vibration Technology

Columns, poles and piles are produced by vibration methods of any regular shape with empty core or at full section. Shapes of tapered poles: circular, square, hexagon, octagon, fluted, flared and many other decorative shapes available.

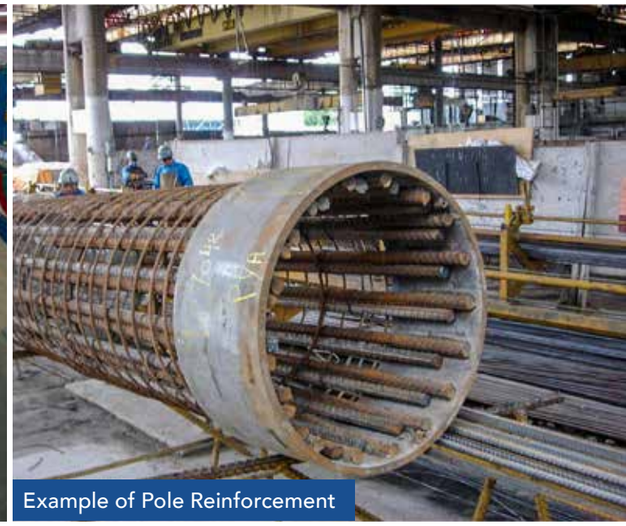
Precast Concrete Spun Piles Technology

Spun Piles used for soil reinforcement, building foundation, offshore/onshore maritime structures, with the following main features:

- From 150mm up to 2000mm diameter
- From 6 to 50 meters length
- Prestressed or reinforced
- Tapered or cylindrical single piece piles
- Cylindrical jointed type piles
- Square/octagon piles jointed type
- Micro piles, H piles

Let us know your needs...and we will design, supply and commission your plant!


Spun Pole Mould with Reinforcement


Example of Pole Reinforcement


Spun Pole Demoulding Process

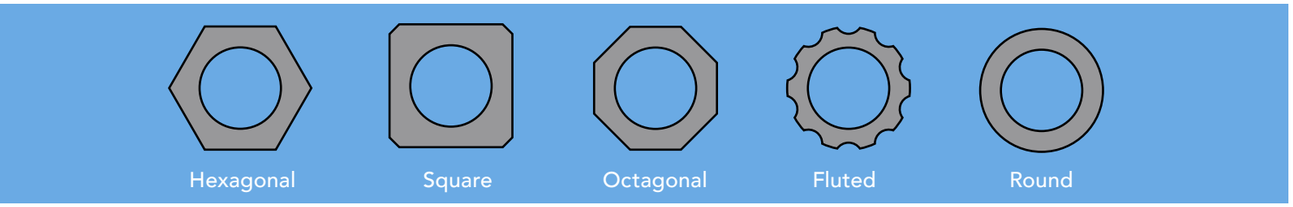

Spun Pole Mould with Longitudinal Pre-Stressed Wires


Ornamental Spun Pole Mould

BFS
Systems for Pole Production

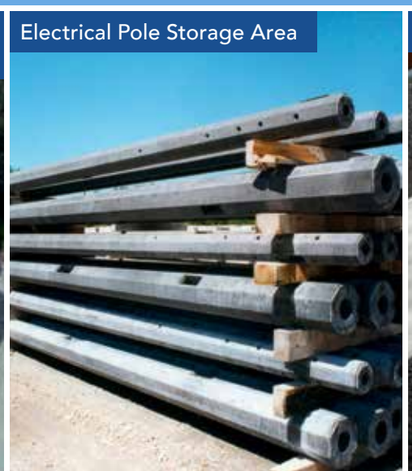
Ornamental Lighting Pole made by BFS Spun Pole Equipment

Ornamental Lighting Pole



Detail of the bottom part of a Lighting Pole

Electrical Pole Storage Area



Detail of an Electrical Spun Pole

Assembled Spun Pole Mould

Spinning Machine

Concrete Feeding Process

Hydraulic Mould Opening

Automatic Demoulding Unit

BFS
Systems for Piles and Columns


40 m x 1,8 m O.D. Concrete Spun Pile


Spun Moulds


Concrete Pile used for Harbor Platform Support

Our Service Saves Time and Money

Afinitas brings together the engineering strengths and technical expertise of the trusted HawkeyePedershaab and BFS teams. Our global reach and depth of knowledge assures disruption-free operations and helpful advice on how to achieve optimal, efficient results.

Phone +49 7344 960355 | email: bfs.service@afinitas.com


Pile Tilting Station


Transport Crane used for a 40 meter long Pile


Finished Concrete Pile Products

AFINITAS

BFS
Concrete Poles & Piles Equipment

Equipment & Automation
BFS | HawkeyePedershaab

Forming Systems
New Hampton | Spillman

Concrete Accessories
CAM | HawkeyePedershaab | Spillman

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

Afinitas Equipment and Automation Division

North America

Afinitas
506 S. Wapello St.
Mediapolis, Iowa 52637

Phone: +1 319-394-3197
info@afinitas.com

Parts
Phone: +1 319-394-2240
hawkeyeparts@afinitas.com

Service
Phone: +1 319-394-2270
hawkeyetech@afinitas.com

Denmark

Afinitas A/S
Saltumvej 25
9700 Brønderslev, Denmark

Phone: +45 9645 4000
info-DK@afinitas.com

Parts
Phone: +45 9645 4172
aftersales@afinitas.com

Service
Phone: +45 9645 4050
pedershaabtech@afinitas.com

Germany

Afinitas GmbH
Dr. -Georg-Spohn-Str. 31
89143 Blaubeuren, Germany

Phone: +49 7344 96030
info-DE@afinitas.com

Parts
Phone: +49 7344 9603-77
bfs.spareparts@afinitas.com

Service
Phone: +49 7344 9603-55
bfs.service@afinitas.com

Italy

Afinitas srl
Viale Venezia 79/G
33074 Fontanafredda, Italy

Phone: +39 0434 599211
info-ITA@afinitas.com

Parts
Phone: +39 0434 599211
info-ITA@afinitas.com

Service
Phone: +39 0434 599211
info-ITA@afinitas.com

AFINITAS

Intelligent
Infrastructure
Solutions

Afinitas is a global, comprehensive and customer-oriented infrastructure equipment and services platform that brings together the expertise of HawkeyePedershaab, BFS, New Hampton Metal Fabrication, Spillman, and CAM Products.

Headquarters: 8040 Forsyth Blvd. | St. Louis, MO 63105 USA | +1 314-726-2178 | info@afinitas.com

BRO/POLESANDPILES/DINA4
1022