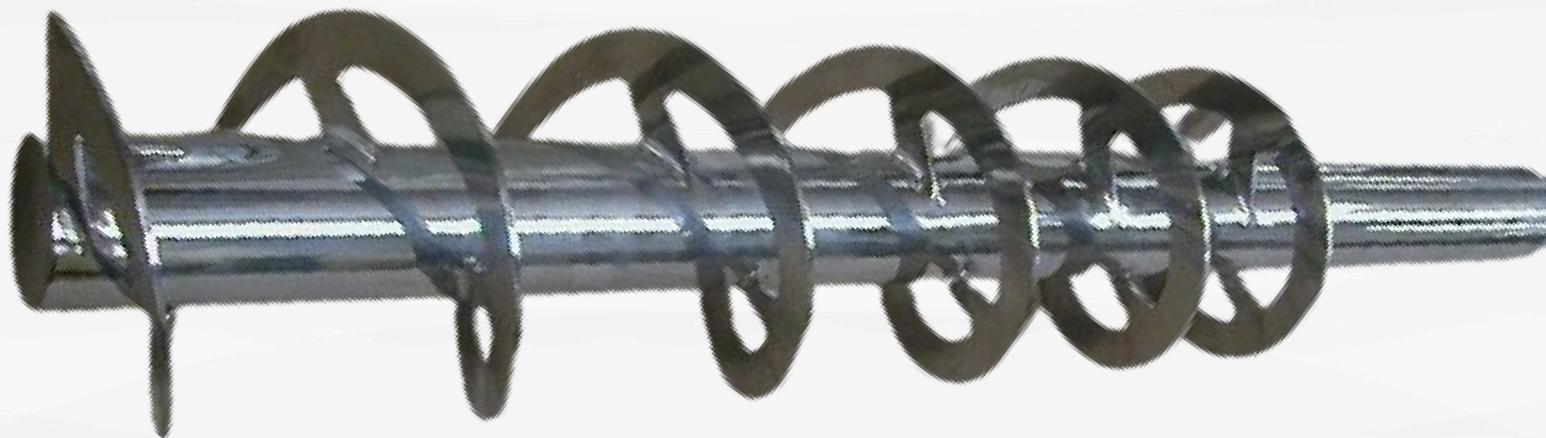


SCREW FLIGHTS & AUGER BLADES

AS PER CEMA STANDARDS

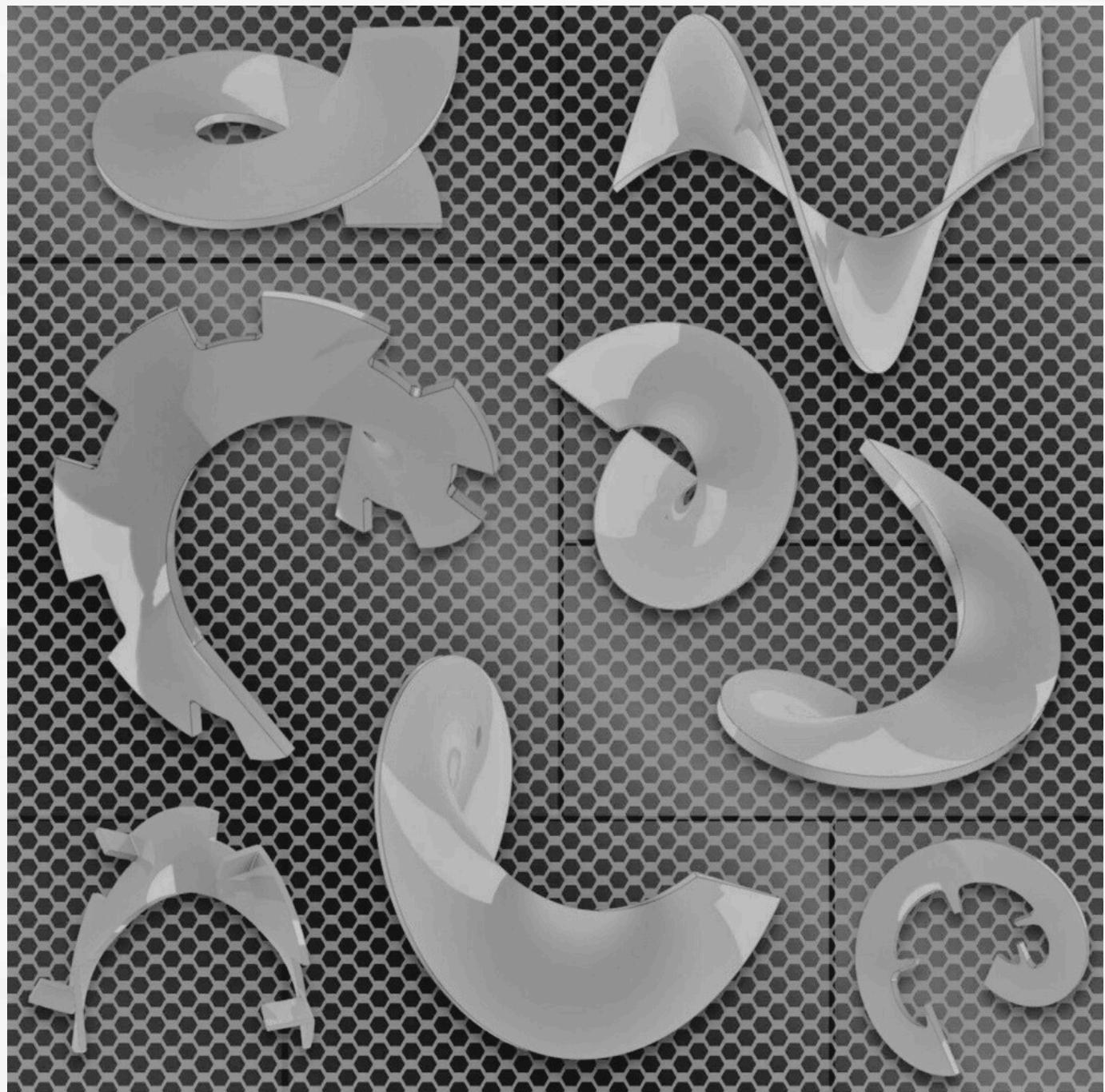


BUILT TOUGH. BUILT TO LAST. BUILT FOR YOUR BUSINESS , REQUEST A FREE QUOTE!

CONTACT US



We are a trusted supplier of high-quality screw flights and auger blades, sourced to meet **CEMA** standards for durability and performance. Whether you need standard designs or custom solutions, Agamus AI & Automation provides reliable components to enhance your material handling efficiency. Partner with us for top-tier solutions tailored to your needs!

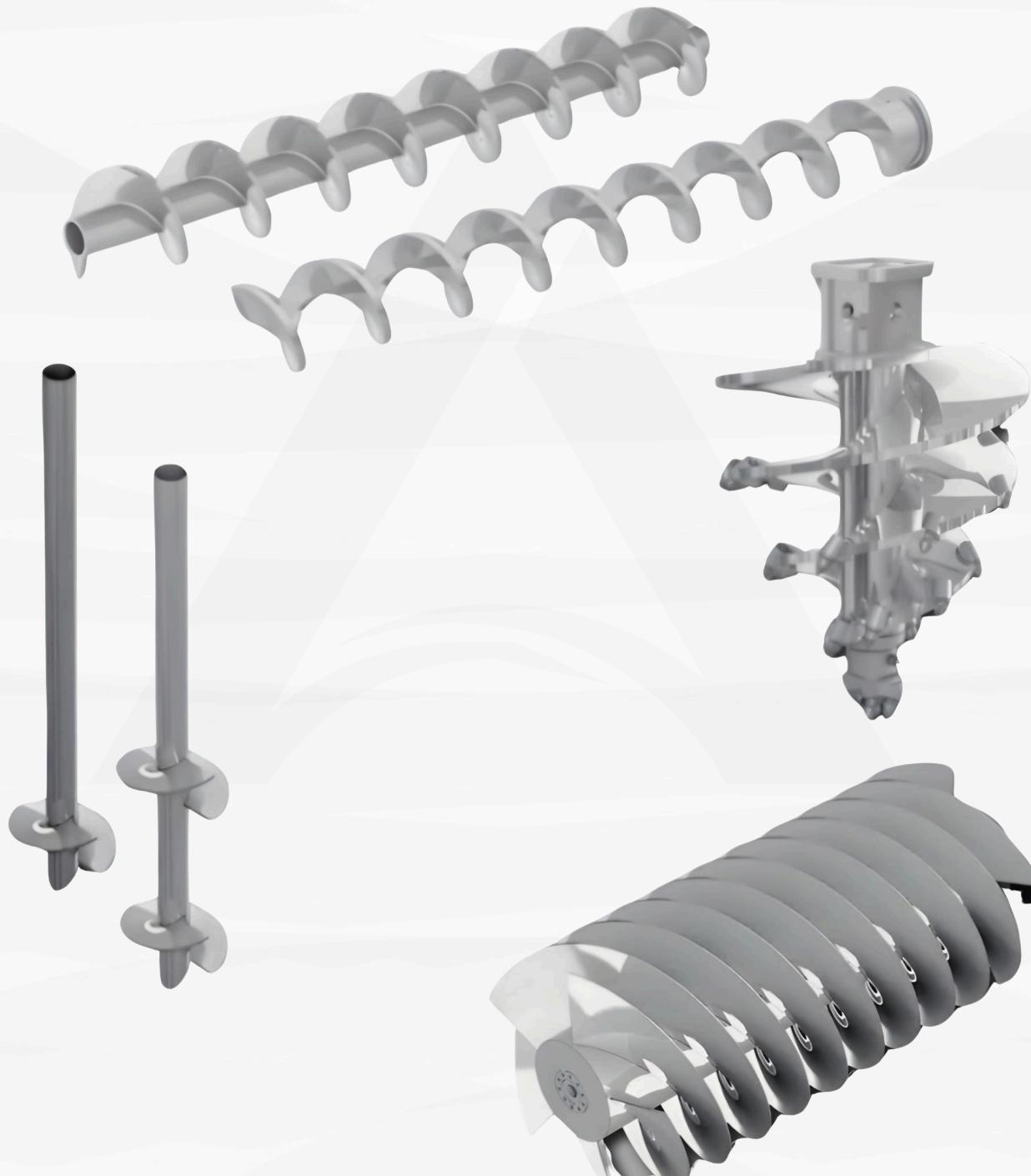


CONTACT US



Foundation Piling: Foundation piling involves driving deep cylindrical structures into the ground to support and stabilize buildings, ensuring they can withstand loads and environmental conditions.

Digging Auger: A digging auger is a specialized tool used to bore holes in the ground, making it ideal for creating foundations, utility poles, or fence posts, offering efficiency and precision in excavation tasks.



CONTACT US

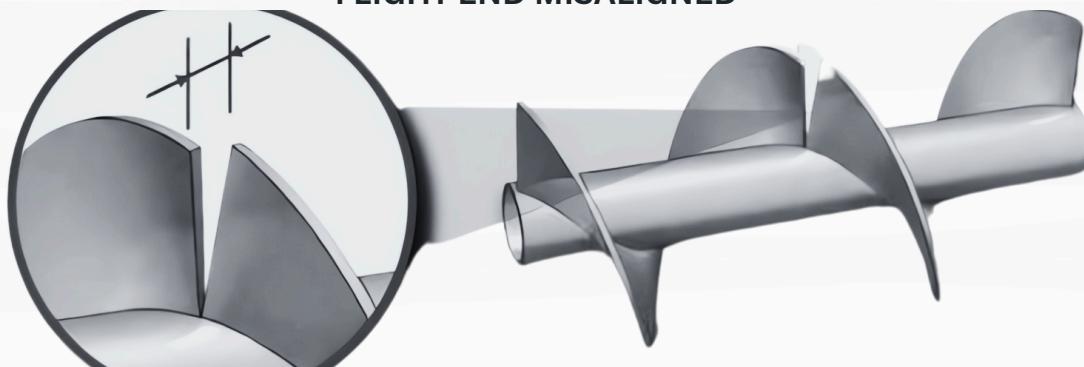


COMMON PROBLEMS IN FLIGHT INSTALLATION

GAP BETWEEN FLIGHT AND PIPE



FLIGHT END MISALIGNED



GAP BETWEEN FLIGHTS



CONTACT US



SOLUTIONS TO SCREW FLIGHT PROBLEMS

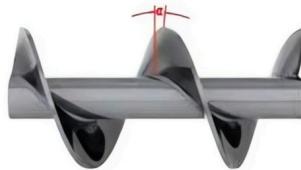
- **TruHelix Standard** Tolerances Outside Diameter 1% Pitch ± 5% **Inside Diameter** - It is expected that all flights click onto the centre pipe
- **Match up alignment** - It is expected that the misalignment where flights meet will be no more than half the material thickness
- **Match up gap** - It is expected that the gap where flights meet will be no more than the material thickness



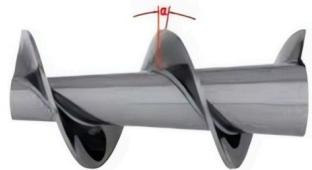
- **Perfect Alignment** – Our screw flights are precisely aligned with the center pipe at a perfect 90-degree angle all around, ensuring optimal balance, reduced wear, and improved efficiency in every application.

CONTACT US



Canted Flight

Canted flights are used to counter the bending forces experienced when a flight is used in an extrusion process. The flight leans forward at a specific angle to the centre pipe.

Compressing Flight

Compressing flight centres provide a continuous decrease in swept volume of the screw. This compresses and compacts the material as it is conveyed. The flights are typically canted forward to counter the forces of the compacting process. These are used in compacting, dewatering and decanting situations.

Hollowhelix® Flight

Hollow flights are used to pass heating or cooling liquids around the helix. Typically both the hollow centre pipe and the hollow flight are used as a heat exchanger to cool, heat or thaw the material being conveyed.

Paddles

Paddles are set in a helical form around a square or round centre tube to form a segmented spiral. They are used in mixers and pug mills to mix and condition dry products when liquid is added during the process.

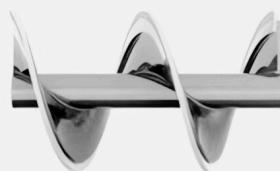
**SLASHER ATTACHMENT****CONTACT US**

**Wear
Shoes**

Bolt on wear shoes are used as a sacrificial flight tip for conveying extremely abrasive products. Wear shoes significantly extend the working life of the spiral.

**Ceramic
Coating**

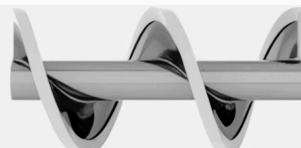
A matrix of ceramic coating is applied to the tip and leading face of the flight to reduce the wear caused by abrasive and corrosive materials being conveyed by the spiral.

**Bristle
Edging**

Bristle edging is a polymer brush formed into a spiral and attached to the trailing edge of the flight. This helps to clean out residual product from the conveyor and prevent breakage of delicate products such as fertilizer prill.

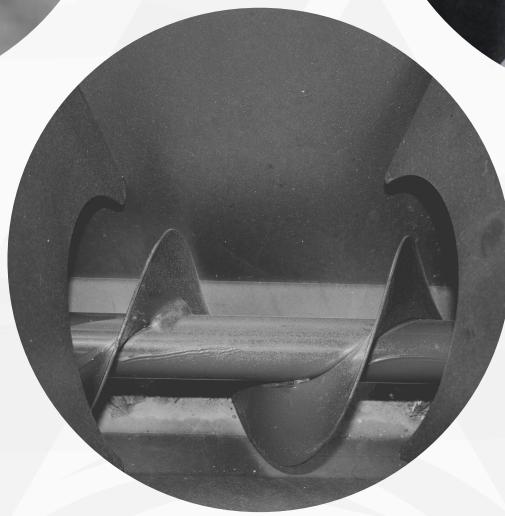
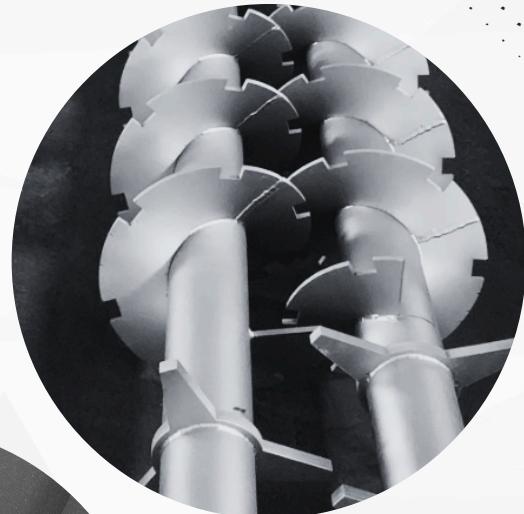
**Centreless
Drive Pate**

A centreless drive plate is attached to a centreless spiral to enable the transmission of the driving torque to the spiral.

**Flight
Edging**

Flight edging is an ultra high molecular weight polyethylene (UHMWPE) extrusion that is formed into a spiral and wraps around and snaps over the tip of the helix. Flight edging is used as an intermediate bearing on long slender spirals where hanger bearings are undesirable. It can also be used to take up the space between the flight tip and the casing to provide greater clean out of the conveyor.

CONTACT US



SCAN TO
GET YOUR QUOTE



AGAMUS AI & AUTOMATION
404 - 1688,152 STREET SURREY,
V4A 4N2, BC , CANADA

Agamus AI and Automation offers a variety of **Screw and Auger Flights** for various industries , with customized options available to meet your specific needs. For inquiries or more information, please contact us at sales@agamus.ca or visit our website at www.agamus.ca

Disclaimer: Images provided in this catalogue are for reference only. Actual Screw Flights or Auger Blades may Look different. .