



FEED & BIOFUEL EXTRUDER TYPE EXMAX S1021

EXPERIENCE UNMATCHED EFFICIENCY WITH THE ANDRITZ EXMAX S1021 SINGLE-SCREW EXTRUDER

The ANDRITZ ExMax S1021 is engineered for exceptional performance and flexibility. It features the patented DensiFlex™ System, allows for quick recipe and raw material changes, ensuring adaptability to various production needs.

Key Features:

- **Sophisticated automation:** Minimizes operator intervention and maintains consistent quality with minimal waste.
- **Hygienic design:** Adheres to the highest hygiene and safety standards.
- **Ease of maintenance:** Simplified cleaning and maintenance features.
- **Predictive monitoring:** Ensures sustained performance and reliability. The ExMax S1021 is the smart choice for sustained performance and reliability in your production.

ANDRITZ

STANDARD FEATURES FOR EXMAX S1021 EXTRUDERS:

- High capacity up to 12 tph
- Low-maintenance, high-performance, energy-efficient gear motor
- Extruder with 10 barrel segments
- Individually controlled cooling of barrel sections
- Tapped screw and barrel design, features no bolts or flanges between barrels
- Reformulate to stagbolts that makes easy change-over and maintenance
- Barrel elements with multiple connectors for liquid and steam injections or temperature and pressure measurement
- Hinged die plate assembly for quick die change
- Unique knife arrangement uses throw-away Stanley™ knife blades
- Automatic Knife-on-Die system ensures accurate cutting and reduction of fines
- Automatic Liquid addition by means of frequency-controlled positive displacement pumps
- Automatic lubrication system
- Hygienic connection between conditioner and extruder inlet
- Wear check by ANDRITZ Metris™ smart sensors and Digital Solutions
- Low maintenance/wear part costs.

PATENTED DENSIFLEX™ SYSTEM

- DensiFlex™ system automatically controls starch cooking and expansion based on recipe
- Pressure relief and by-pass valves for safe operations and to minimize waste and wear

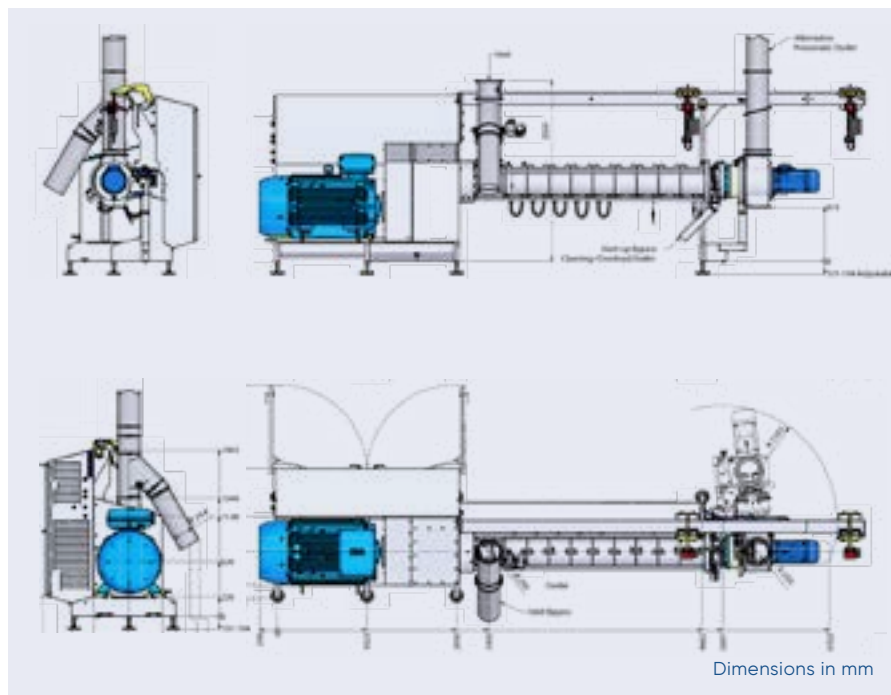
ANDRITZ Feed and Biofuel A/S

andrutz-fb.dk@andrutz.com

p: +45 72 160 300 / andrutz.com/ft

ANDRITZ

All data, information, statements, photographs and graphic illustrations in this leaflet are without any obligation and raise no liabilities to or form part of any sales contracts of ANDRITZ AG or any affiliates for equipment and/or systems referred to herein. © ANDRITZ GROUP 2025. All rights reserved. No part of this copyrighted work may be reproduced, modified or distributed in any form or by any means, or stored in any database or retrieval system, without the prior written permission of ANDRITZ AG or its affiliates. Any such unauthorized use for any purpose is a violation of the relevant copyright laws. ANDRITZ AG, Stattegger Strasse 18, 8045 Graz, Austria.



OPTIONS AND ACCESSORIES AVAILABLE TO MEET SPECIFIC REQUIREMENTS:

- Single or dual conditioners for optimum retention time and high mixing efficiency
- Expansion Control System (ECS)
- Microfeed system (for aqua feed) to increase capacity when producing small pellet sizes under 2 mm
- Extruder control system ECMS
- Process audit package to optimize process performance

TECHNICAL DATA

Extruder ExMax S1021

Main motor	Constant speed - AC	250-400 kW	50/60 Hz
	Variable speed - AC or DC	250-400 kW	50/60 Hz
Cutter	Synchron motor	5,5 kW / 7.5 HP	1500/1800 rpm
	Synchron motor	7,5Kw / 10.2 HP	1500/1800 rpm (Microfeed)
Extruder screw	Barrel length	2670 mm	
	Diameter	210 mm	
	Number of barrel elements	10 pcs.	
Total weight	7.5 Ton with the 400 kw El. motor + 0.4 Ton for transport beam		
Capacity	Dep. on product formulation		up to 12 tph



1264 GB