



FEED AND BIOFUEL

EXTRUDER

TYPE EX1021

The ANDRITZ single-screw extruder type EX1021 represents state-of-the-art technology, ensuring unique quality feed at minimum operating costs. The optimized extrusion concept for unmatched

performance consists of controlled feeding of dry ingredients, optimum conditioning with steam and liquid addition, an even flow rate to the extruder, and high extrusion flexibility and controllability.

ANDRITZ

ENGINEERED SUCCESS

STANDARD FEATURES FOR EX1021 EXTRUDERS:

- High capacity 4–11 tph
- Low-maintenance, high-performance V-belt transmission
- Main screw drive AC constant, AC or DC variable speed
- Extruder screw with 10 barrel/screw segments
- Individually controlled cooling/heating of barrel sections
- Tapped screw and barrel design, no bolts/flanges between barrel heads and no splines for screw shafts
- Re-configuration and maintenance with minimum down time
- Heads 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
- Liquid metering by means of frequency-controlled positive displacement pumps
- Downspout with by-pass to avoid blockage between conditioner and extruder inlet
- Low maintenance/wear part costs.

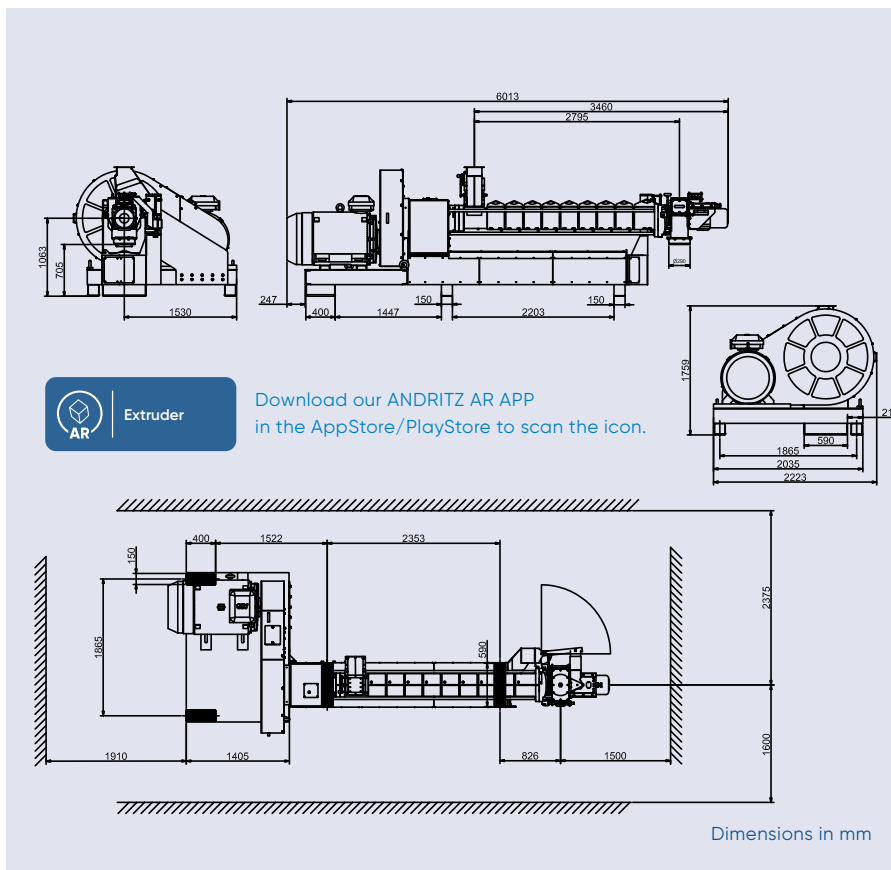
OPTIONS AND ACCESSORIES AVAILABLE TO MEET SPECIFIC REQUIREMENTS:

- Forced feeder, which ensures consistency of flow rate and avoids blockage between conditioner and extruder
- Single or dual conditioners for optimum retention time and high

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- mixing efficiency
- Flextex on-line control of starch cook and expansion
- Expansion Control System (ECS) on-line control of product density
- Microfeed system to increase capacity when producing small pellet sizes under 2 mm
- Extruder control system ECMS/ECOS
- Permanent magnet motors can be supplied and directly mounted. That goes for 618, 621, and 1021.

TECHNICAL DATA

Extruder EX1021

Main motor	Constant speed - AC	200-315 kW	50/60 Hz
	Variable speed - AC or DC	200-315 kW	50/60 Hz
Cutter	Freq. contr. motor	5.5 kW (7 HP)	1500/1800 rpm
Extruder screw			Type EX1021
Barrel length			2670 mm
Diameter			210 mm
Number of heads			10 pcs.
Total weight			9000 kg
Capacity	Dep. on product formulation	4 -11 tph	



1264 GB