

## So simple.

Until now biomass was harvested and pressed together on the field and then transported to a pellet production facility. There the bales were torn open and prepared, and finally pelletised and stored. This is how it was done in the past, because with the Schaidler Pelletec D 8.0 everything can be done in a single process directly on the field. The Schaidler Pelletec D 8.0 can also be operated in a stationary manner.

## So quick.

Traditional operations and transport routes between harvest on the field and pellet production in a factory cost valuable time. You can now save time because the Schaidler Pelletec D 8.0 produces pellets directly at the location of the crop – on the field. An additional advantage is the excellent performance of the Schaidler Pelletec D 8.0 which can process 8 tons of biomass per hour and turn it into ready-to-use pellets.

## So economical.

Patented technology used for the first time in the Schaidler Pelletec D 8.0 and a Symmetric Double Ring-System (SDR) make it possible to reduce energy usage to below 3 %. Additionally, there is also a savings potential because of reduced transport and storage costs with regard to starting material.



### Pellets as bedding.

Straw pellets can be used especially well for bedding and can also be used as manure.



### Pellets as animal feed.

Pelletised forage plants such as pellets from alfalfa, hay and straw make an excellent basis for a feed ration.



### Pellets as sources of energy.

Pelletised energy crop can be used for heating since they have a high caloric value.



### Pellets as fertiliser.

Fermentation residues from biogas plants can be pelletised and added to standard fertiliser.



### Pellets for industrial uses.

The future has begun: grass paper, 2nd and 3rd generation biofuel, insulation – only a couple of examples of futures uses.

## This is how the Schaidler Pelletec D 8.0 functions



**Bunker and delivery belt**  
Stores and cools pellets



**Pellet strainer**  
Removes dust from finished pellets



**Compressor**  
With the help of the patented SDR system, compresses the material to finished pellets in the amount of 8t/hour (mean value)



**Preheating – conditioning**  
Uses engine waste heat to heat up the material to 70 °C which makes it possible to mix in additives.



**Drive system**  
6 cylinder in-line industrial engine, 18.1 litre capacity, 447 kW (600 HP) (C18)

**Pelletising system**  
with diesel engine (8t/h) (D 8.0)

**Carrying trailer**  
with parabolic suspension (TRO 30.0)  
**Carrying trailer**  
with hydraulic suspension (TRO 30.1)

**Fine shredder**  
Shredding material according to the circumference of pellets (FCR 8.0)

**Tractor**  
at least 200 HP  
e.g. Belarus 2022.6  
or Belarus 3525.6



**Field chopper**  
Pre-crushing of the material (CFH 8.0)

**Connection for the transport of material**  
Connection between the shredder and Pelletec D 8.0 (CTC 8.0)



**Pickup**  
Collecting material from the windrow (PIU 3.0)



**Row-less cutting system for the field chopper**  
Cutting and collecting rough material (RIH 3.0)



**Cutting system for whole plants**  
Cutting and collecting straw-based materials (GHH 4.2)

**Trolley for the field chopper**  
For safe driving on the street (CWH 8.0)



# Profitability at a glance

## Profitability calculation Schaidler Pelletec D 8.0

Operating hours p.a.	1500	1000	500	250
Fixed costs*)	51	77	154	308
Repairs & Service**)	56	56	56	56
Fuel	100	100	100	100
Labour costs	30	30	30	30
<b>Total</b>	<b>237</b>	<b>263</b>	<b>340</b>	<b>494</b>

Pelletisation costs per ton	in Euro	30	33	43	62
Pelletisation costs per kg	in Cent	3	3,3	4,3	6,2

### Calculation parameters:

- \*) Fixed costs components:
- Interest rate (6% from the half of original value)
  - Storage and insurance (2% of new value)
  - Depreciation (6% of new value)

\*\*) 0,008 % of new value p.h. in accordance with ÖKL 8 t output p.h.

### Pricing:

Schaidler Pelletec D 8.0	
Trolley	
Tractor	
Shredder	
<b>Euro</b>	<b>700.000</b>

# Additional facts at a glance

- Processing capacity: up to 8,000 kg per hour depending on the processed biomass
- Pellets circumference: 2–16 mm according to the used matrix
- Payback period: at least 2 years (depending on the application)
- In combination with the cutting system for whole plants GHH 4.2, it can also be used as a combine harvester

Pellets made from straw, hay, alfalfa, energy crop, residue, etc.  
Production is so simple, quick, economical as never before.



The mobile harvester Schaidler Pelletec D 8.0  
Producing up to 8 tons of ready-for-use pellets per hour directly on the field.

The mobile harvester Schaidler Pelletec D 8.0

