MAIZE HARVESTING

Robust hay harvesting
EFFORTLESS MAIZE HARVESTING.

SIP is the biggest producer of agricultural machinery in Slovenia based in Šempeter v Savinjski dolini. We draw on our experience and long tradition to produce robust and quality machines.

Our core program consists of: mowers, tedders and rakes.

We export more than 80 percent of our products to 55 countries worldwide.

A part of SIP product range are also manure spreaders which like all other SIP products are very robust and of high quality.

Our vision is to produce quality machines, which meet the demands of all our end users.

SIP machinery is distinguished by its simplicity of use and unique robust construction which offers excellent durability.

Our state of art product range offers sophisticated solutions for two main types of customers:

- professional contractors, and farmers who work on large expanses of land and need one hundred percent efficiency
- farmers, land owners with small pieces of hard to reach mountainous land, who need small and light weight machinery.

We have accumulated more than 60 years of experience and knowledge in to our machines.

By choosing our machines you opt for a robust, simple to use, tried and tested solution, which is appropriate for both flatlands and mountainous terrain.

With the intent of developing the most reliable and durable machines, we contacted our end users and let them test our machines in all kinds of terrain.

The result is a palate of excellent machines renowned for their reliability and adaptability to all kinds of terrain from wide open fields to mountainous terrain.

We only use parts from the most recognised manufacturers because we insist that the most crucial components must work flawlessly.

We have a quick reaction time and are open to all kinds of suggestions. We provide you with spare parts in the shortest possible time or repair the problem and in this way do not impede your work.

Computer aided design are crucial for the manufacturing of high-end machines. A thorough analysis of the production process is important to ensure that all components fulfil the highest standard of quality.

Professional approach in finding the right solutions we cooperate with many world famous manufacturers.

Field tests we leave nothing to chance. Before our machine is launched on to the market a few of our most demanding clients test them out on their farms.

Our users are also our R&D team. Their personal input is combined with the knowledge and experience of the whole company to make improvements where it is necessary.

If you wish to take part in our research process you can sign up to our testing program.
In this word you can find three attributes that define SIP machinery:

**DURABILITY**
Our machines are extremely durable. They are appropriate for all types of terrain even the harshest conditions.

**EFFICIENCY**
Our machines are simple to use so you can shorten the preparation period and prolong your working time. With our machines you can do more in less time.

**USEFULNESS**
Easy maneuvering, very adaptable, simple transport and storage are just some of the benefits that help you concentrate more on your work.

**OUR PHILOSOPHY:**
**ROBUST**
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Our maize harvesting machines offer a cost-efficient and simple solution for harvesting maize. They are low maintenance and easy to use.

MAIZE HARVESTING

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TORNADO 40 EOL-8V 80  
Maize choppers
SILO 80 D, 100 D 10
Maize mill
CIKLO 100 12
The TORNADO maize cob picker offers excellent husking capabilities, low energy consumption and great maneuverability.

The single row TORNADO 40 EOL-8V provides excellent husking capabilities with 8 husking rollers, the double row TORNADO 80 offers a picking capacity of 0.8 ha/h.

The TORNADO maize cob picker features an excellent husking unit with rubber and steel rollers for high efficient husking. Four additional rollers ensure that the husking left overs are dispensed and do not obstruct the husking process.

The whole picking process is driven by a PTO shaft and chain drive. The TORNADO maize cob picker can be controlled from the tractor cabin which offers efficient and quality picking.

### MAIZE COB PICKERS

**TORNADO 40 EOL-8V, 80**

- **Large hopper**
- **Transport conveyor belt to hopper**
- **Hydraulically adjustable picking unit high**
- **Mulching mechanism under picking unit**
- **Fan on husking unit**
- **Husking unit with steel and rubber rollers**

### STANDARD EQUIPMENT

**Attachment**
- Drawbar for a speed of 25km/h

**Drive**
- PTO shaft with safety clutch (TORNADO 40 EOL-8V);
- wide-angle PTO shaft with safety clutch (TORNADO 80)

**Hydraulic connection**
- 1 x one-way hydraulic connection (1EW)

### TECHNICAL DATA

<table>
<thead>
<tr>
<th>Reference No.</th>
<th>TORNADO 40 EOL-8V</th>
<th>TORNADO 80</th>
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<tbody>
<tr>
<td>Length (m)</td>
<td>4.85</td>
<td>5.50</td>
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<td>Width (m)</td>
<td>2.74</td>
<td>3.00</td>
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<td>Height (m)</td>
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<td>Weight (kg)</td>
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<td>Emptying height (m)</td>
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<tr>
<td>Capacity (ha/h)</td>
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<td>up to 0.80</td>
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<tr>
<td>Hopper volume (m²)</td>
<td>1.80</td>
<td>2.90</td>
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<tr>
<td>Required tractor power (kW/HP)</td>
<td>18/25</td>
<td>35/48</td>
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<tr>
<td>Husking unit (husking rollers)</td>
<td>4 metal 4 rubber</td>
<td>6 metal 6 rubber</td>
</tr>
<tr>
<td>Roller length (m)</td>
<td>1.13</td>
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<tr>
<td>Number of blades per flail mower</td>
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<tr>
<td>PTO rotations (rpm)</td>
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<td>540</td>
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<td>Tyres</td>
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<td>11.5/80-15</td>
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<tr>
<td>Assembly time (h)</td>
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</table>

The transport belt is fitted with rubber dividers to transport the husked cobs to the hopper.

The single row maize picker is light and agile (TORNADO 40).

The double row picking unit (TORNADO 80) ensures that the maize cobs are separated from the stem and delivered to the husking unit undamaged.

The fan on the husking unit blows out what is left over from the husking process.

The mulching mechanism under the picking unit ensures that the left over stems are crushed and evenly spread out.

The fan on the husking unit times out what is left over from the husking process.
MAIZE CHOPPERS
SILO 80 D, 100 D

The single row Silo maize choppers are reliable and simple to use.

The model **SILO 80 D** features a pair of feeding rollers and a disc chopper with 12 blades. The model **SILO 100 D** is upgraded with a pair of compression rollers which offer more precise chopping and faster dosing. Both models are extremely agile and offer simple maintenance.

The crushing plate can be adjusted and can be used with all kinds of maize. With its jockey wheel, rear trailer linkage and wear resistant HARDOX material the Silo maize chopper is very user friendly and has a long life span.

The Silo maize chopper also has a built in blade sharpening mechanism.
The Ciklo mill is intended for milling maize cobs or maize grain.

The mill is distinguished by its robust construction, which ensures a long life span and safe handling. Different milling structures can be achieved by using sieves with different hole diameters. It is highly efficient, has excellent pushing power and the ability to transport the prepared fodder into a high silo.

The CIKLON is available as additional equipment to fill the fodder into sacks.

**MILL CIKLO 100**

**Standard Equipment**
- Attachment: 3-point rigid linkage Cat I & Cat II
- Other standard equipment:
  - Sieves ø 12 and 8mm, hoses 1.5m

**Technical Data**

<table>
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<th>Ciklo 100</th>
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<td>Weight (kg)</td>
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<td>PTO rotations (rpm)</td>
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<td>Transport height (m)</td>
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<td>Capacity (t/h)</td>
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<tr>
<td>Required tractor power (kW/HP)</td>
<td>29.5/40</td>
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The Ciklon is intended for daily preparation of feed from maize or other kinds of cereals.
SIP Strojna industrija d.d. is situated in the heartland of Savinjska dolina. With more than 60 years of experience in research and development we are known for our simple solutions and unique robust construction, which is built to last.

The production program includes:
• hay harvesting equipment
• manure spreaders
• maize harvesting equipment

With our efficient and high performance machinery we guarantee our customers the work is done flawlessly and in the shortest possible time.

We keep improving and upgrading our machines. We provide machines for both small scale farmers as well as for professional contractors and large scale farmers.

We offers a wide range of solutions to problems which farmers come in contact with daily.

In the mower segment these solutions are for instance hydraulic ground pressure relief and swath wheels that offer uninterrupted forage flow. With the tedders we focused mainly on smaller rotor diameter, height adjustment and optimal angle of spring tines. We have equipped the rakes with a SIP patented tandem axle which offers excellent ground contour following, greater working speeds and less impact loads on the machine. All rotors have height adjustment and side tilt adjustment.

Maize cob pickers ensure high performance and quality husking without damaging the cob. These economical machines are agile also on small surfaces. Maize picked by the maize cob picker can be dried naturally which lowers production costs and is more energy efficient.

Traditional SIP manure spreaders are recognised for their simple use, easy maintenance and long life span. They come in all sizes perfect for all users. By removing the spreading unit the machine can also be used as an ordinary trailer.

We keep original parts on stock for machines for up to 10 years. We have on stock more that 10.000 different spare parts of both new machines and machines that have gone out of production.

Our service engineers are always ready to help.