#### Organic and seeds farming preparation. The basis for

tomorrow's yield.

Innovations for a better world.



# **From sowing to storage.** Delivering ultimate value.

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## The optimal basis for best grain. From one source.

The previous year's harvest already determines which basic product will be available for sowing in the coming year, so it's important to prepare the harvested grain accordingly as seed.

We at Bühler have been experts in preparing grain, corn, rapeseed and soybeans for storage – and storing them – for over 150 years. Thanks to our expertise and our comprehensive solutions for the grain sector we are also ideally equipped for seed preparation, and our state-of-the-art machines allow us to pass this expertise on to you.

Our solutions complement the three factors of sorting: form, density and aspects. This means you can process all seeds from cereals to legumes, and create optimal conditions when it comes to treating the seed gently. This prevents grain diseases and contamination and so maintains product quality over a long period of time.

# Our solutions for your grain processing

- Mechanical sorting (12-250 t/h)
- Pest control (25 t/h)
- Scrubbing (30 t/h)
- Densimetric sorting (3-22 t/h)
- Optical sorting (1-35 t/h)
- Flowing regulation (0,2-100 t/h)
- Conveying (e.g. Tubo)

#### **Systems for your grain processing.** Machines for every process step.









Energy savings up to 75% compared to traditional solutions



Footprint reduction up to 50% compared to traditional solutions



Reduced cleaning time and ease of operation



# Mechanical sorting. Cleaning machines.

This process step is essential for a fine pre-cleaning of the seed. We offer you compact solutions with screen areas of 6-48 m<sup>2</sup>. Our machines allow you to be completely flexible in terms of the capacities to be processed while still relying on a constant, excellent cleaning quality. The changing of sieves is also extremely easy, saving you valuable time.

#### GrainPlus



		GrainPlus 05	GrainPlus 10	GrainPlus 20
max. Performances				
Wheat, corn	t/h	12	25	50
Barley	t/h	10	20	40
Rape seed	t/h	6	12	25
Soya beans	t/h	15	30	60
Working width	m	0,5	1,0	2,0
Screen area	m²	1,5	3,0	6,0
Size (L x W x H)	m	2,24 x 0,91 x 1,48	2,24 x 1,41 x 1,48	2,24 x 2,41 x 1,48
Engine power	kW	0,75	0,75	0,75
Aspiration connection	m³/min	35	70	120

#### **Universal cleaning machine TAS**



		TAS 152A-2	TAS 154A-4
max. Performances			
Wheat, corn	t/h	60	120
Barley	t/h	50	100
Rape seed	t/h	45	90
Soya beans	t/h	65	130
Working width	m	1,5	1,5
Screen area	m²	12	24
Size (L x W x H)	m	3,30 x 2,63 x 2,50	3,42 x 2,63 x 3,30
Engine power	kW	2,2 + 0,75	3,0 + 0,75
Aspiration connection	m³/min	152	207

## **Densimetric sorting.** Concentrators, combinators, destoners.

Separate your product according to the criteria of heavy / mixed / light. Our concentrators, combinators and destoners are the perfect solution for immediate results and work well even in a small area.

#### Concentrator

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		MTCB-65/200E
max. Performances		
Wheat, corn	t/h	6-9
Working width	m	65
Size (L x W x H)	m	2,78 x 0,94 x 2,09
Engine power	kW	0.3
Aspiration connection	m³/min	90

#### Combinator



		MTCD-65/150A	MTCD-120/150A
max. Performances			
Wheat, corn	t/h	3-12	12-22
Size (L x W x H)	m	2,14 x 0,90 x 1,98	2,10 x 1,44 x 2,21
Engine power	kW	1x 0.3	2x 0.3
Aspiration connection	m³/min	90	120

#### Destoner



		MTSD-65/120 E	MTSD-65/120	MTSD-120/120
max. Performances				
Wheat, corn	t/h	6-12	6	12-22
Working width	m	650	650	1200
Size (L x W x H)	m	1,60 x 1,00 x 1,55	1,60 x 1,00 x 1,81	1,60 x 1,54 x 1,81
Engine power	kW	1x 0.3	1x 0.3	2x 0.3
Aspiration connection	m³/min	70	70	130

# **Optical sorting.** Optical sorters.

This process step makes it possible to detect color and shape defects in the product within a very short time and address them in a targeted manner. The Sortex's high performance reaches 35 t/h depending on the product and sorting targets, and is completely scalable to suit your needs. Increase your sales, reduce your costs and benefit from consistent product quality.

	max. Performance	
(Inninna)	Wheat, corn	
C.T.T.	Size (L x W x H)	

		1 module	2-3 modules
max. Performance			
Wheat, corn	t/h	5	10-15
Size (L x W x H)	m	1,00 x 1,70 x 2,08	1,78 x 1,70 x 2,08
		Sortex 4-5 modules	Sortex 6-7 modules
max. Performance			
Wheat, corn	t/h	20-25	30-35
Size (L x W x H)	m	2,39 x 1,70 x 2,08	3,05 x 1,70 x 2,08

Sortex

Sortex



# **Extensions.** Everything for your grain.

Our extensive product portfolio makes us the ideal partner for complete solutions. For example, take advantage of the the offers listed below.



**Conveying technology** Elevators, trough chain conveyor, TUBO



**Aspiration** Filter and aspiration components



**Digital services** Mercury, PreMa, silo bin monitoring, Bühler Insights



**Customer service** 24/7 hotline, total care contracts, protection contracts

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#### **Bühler GmbH**

Grain Quality & Supply Eichstätter Strasse 49 DE-92339 Beilngries

www.buhlergroup.com