

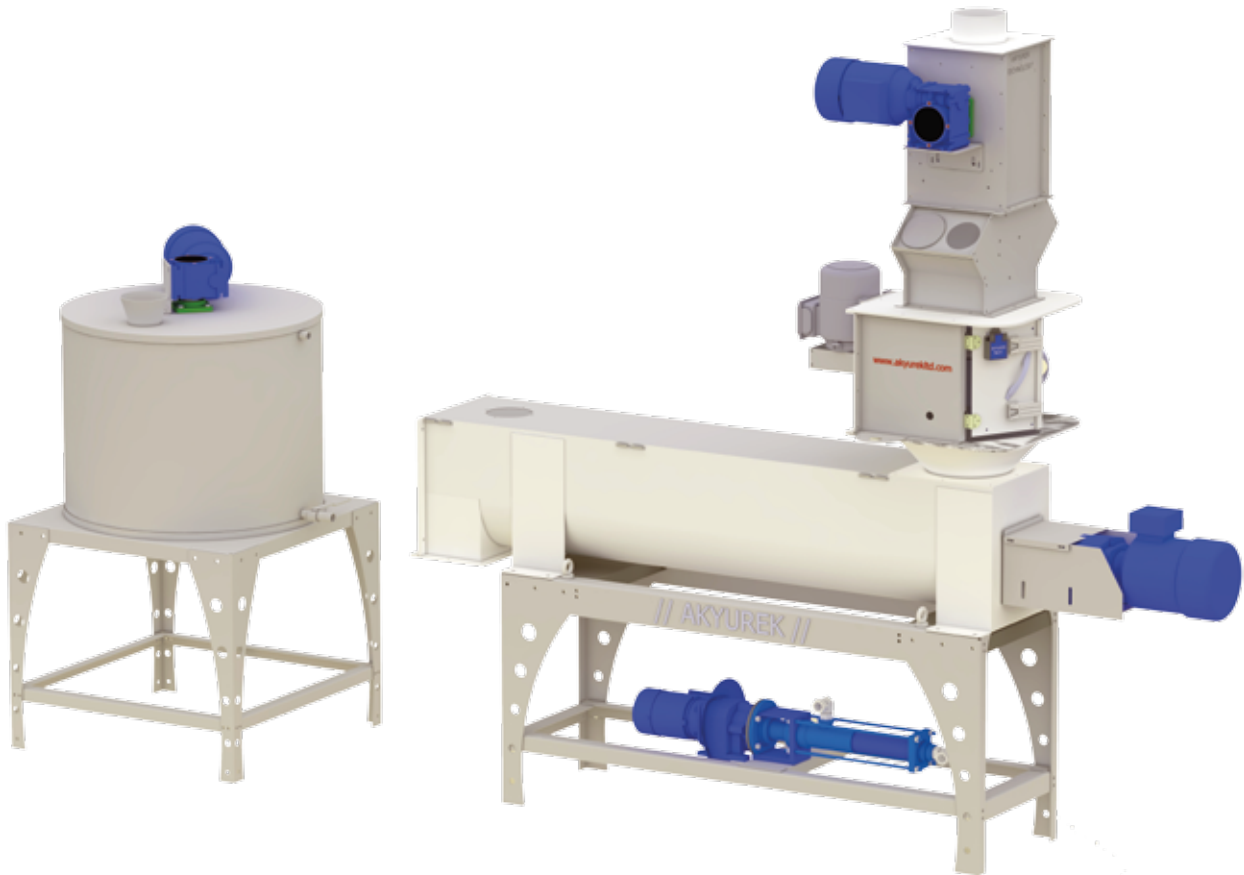


MMCTECH

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SEED PROCESSING MACHINE & EQUIPMENTS - AUTOMATION SOLUTIONS

MMCTECH Seed Conditioning & Processing Solutions Partner



CONTINUOUS SEED TREATING MACHINE LIQUID 011 SERIES

MMCTECH: Seed Machines & Equipment with Automation Solutions

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FUNCTION

The **AKYUREK SEED TREATMENT MACHINE STL LIQUID 022** is used for continuous, wet chemical treating of seed such as grain, corn, pulses etc.

All stainless steel manufactured Liquid applicators used for precision coating and pilling of crop with insecticides, fungicides, micronutrients and inoculants to the highest quality standards.

Integrated modern control systems provide high process flexibility, process security and process monitoring and documentation. The fully automated operations according to pre-determined formulas, online process data communication, batch and order documentation as well as formula administration guarantee high quality production standards when treating a wide range of products.

As well application of chemical to seeds, this machine can be used for water or oil application to lentil, rice, wheat, bulgur and in other tempering processes.

WORK PRINCIPLE

The seed is transported to the chemical seed treating chamber over the inlet. There, the product is distributed in an even product veil by a rotating distributing disc. The seed dressing agent is dosed by a metering pump on a spraying disc and evenly sprayed on the seed creating a fine mist, and then brought in contact with the product veil. After applying the seed dressing agent, the product is transported to the secondary mixing unit where an even and uniform distribution on the seeds is ensured.

Advantages:

- Continuous, reliable operation
- Simple operation and handling
- Precise dosing of the liquid seed dressing agent and prevention of incorrect treatment due to the integrated automatic checking devices
- Homogeneous mixing due to fine spraying of the seed dressing agent by the spraying disc and effective mixing in the secondary mixing unit

Construction:

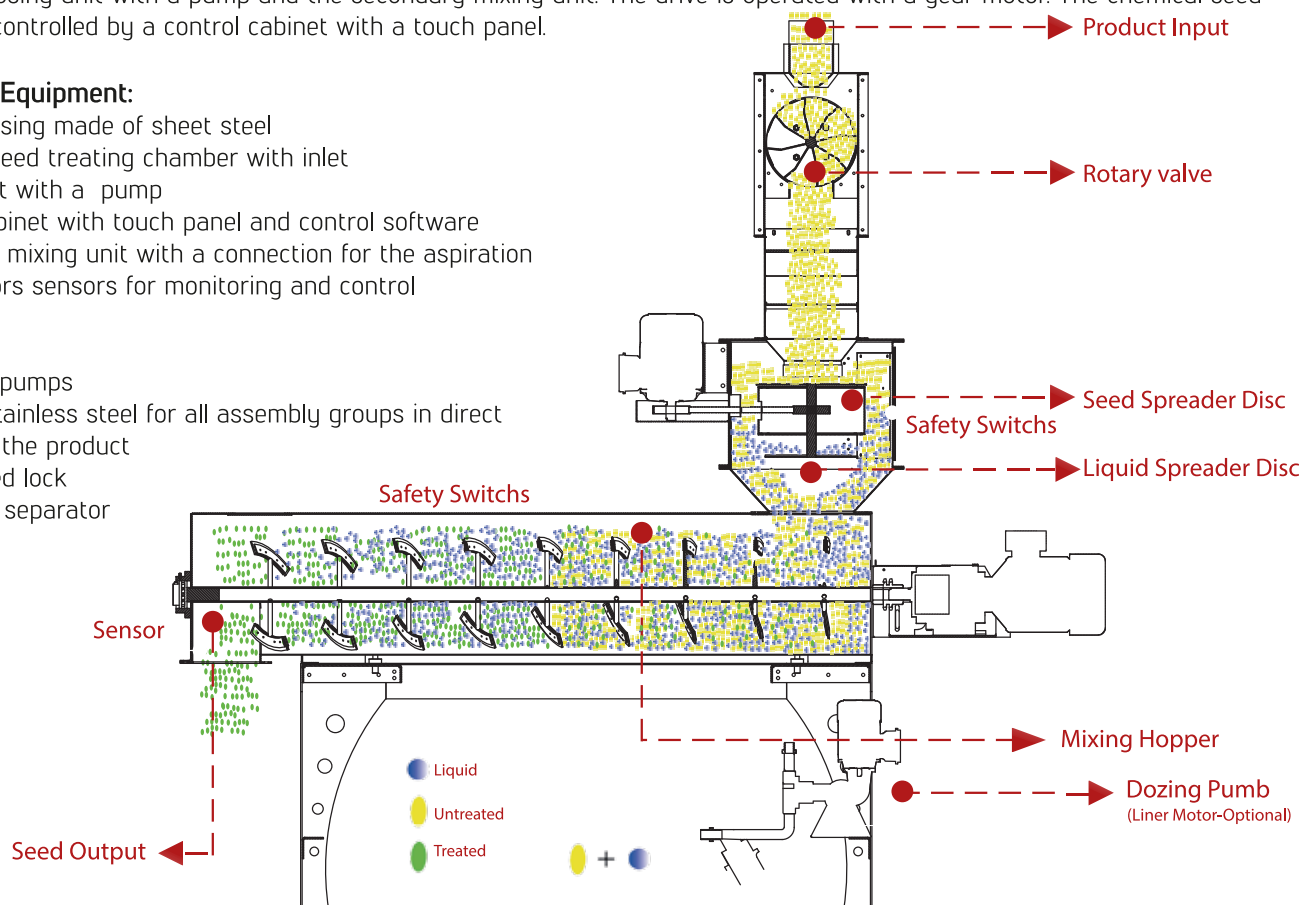
The chemical seed treater consists of the product inlet, the chemical seed treating chamber with the distributing and spraying disc, the dosing unit with a pump and the secondary mixing unit. The drive is operated with a gear motor. The chemical seed treater is controlled by a control cabinet with a touch panel.

Standard Equipment:

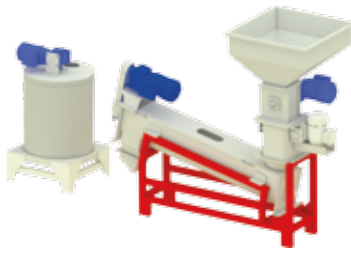
- Bolted housing made of sheet steel
- Chemical seed treating chamber with inlet
- Dosing unit with a pump
- Control cabinet with touch panel and control software
- Secondary mixing unit with a connection for the aspiration
- Drive motors sensors for monitoring and control

Options:

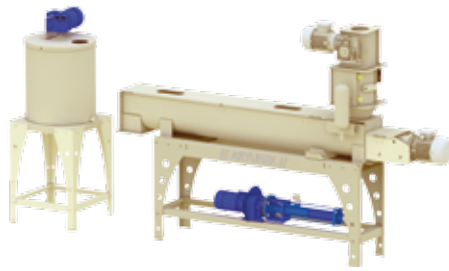
- Additional pumps
- Model in stainless steel for all assembly groups in direct contact to the product
- Rotary seed lock
- Cross flow separator



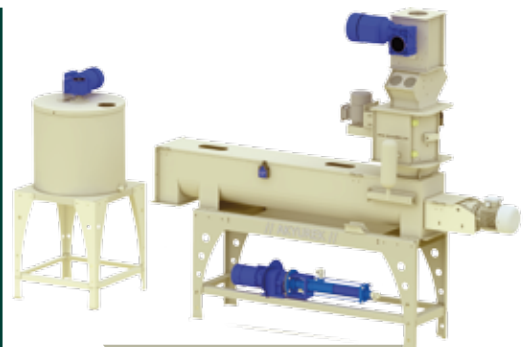
MODELS



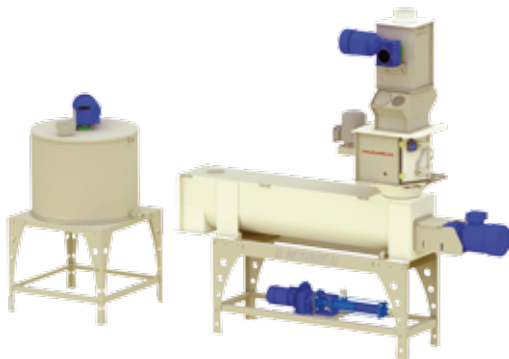
Seed Treatment Liquid 005
(1,0 - 2,5 tph)



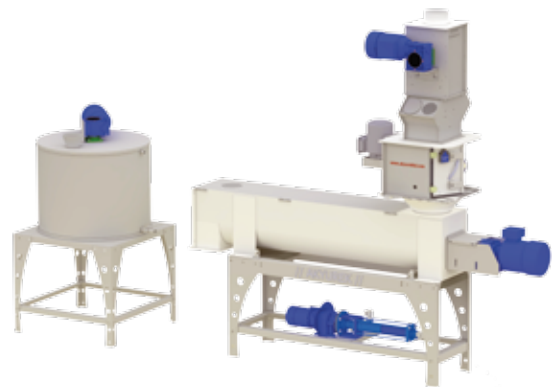
Seed Treatment Liquid 011
(2,50 - 5 tph)



Seed Treatment Liquid 015
(5,0 - 10 tph)



Seed Treatment Liquid 022
(10 - 15 tph)



Seed Treatment Liquid 030
(15 - 30 tph)

TECHNICAL DATA

TECHNICAL DATA		STL 005	STL 011	STL 015	STL 022	STL 030
Capacity /Based on Wheat)	t/h	1.0 to 2.5	2.5 to 5	5.0 to 10	10 to 15	20 to 30
ELECTRICAL DRIVES						
Distribution Disc	kW	0,37	0,37	0,37	0,75	0,75
Secondary mixing unit	kW	1,1	0,75	1,1	1,5	2,2
Pump	kW	0,9	0,78	0,78	0,18	0,18
Rotary seed valve	kW	0,37	0,55	0,55	1,5	1,5
Dosing of chemical liquid	ml/100kg	20 - 1880	100 - 890	200 - 1880	500 - 1000	500 - 1490