

MEGA TRIEUR

Maximum-precision sorting



Application/characteristics

The Megatrieur succeeds where screens, air sifters, gravity separators or vibratory tables have reached their limit for certain cleaning or sorting tasks.

Handling free owing bulk goods of all types, it accurately separates length differences for the same cross-sections and the same specific weights.

The Megatrieur hence reacts to the slightest differences in grain shapes and sizes.

Main features:

- › Highest sorting accuracy
- › Precise length separation
- › Ergot removal
- › Low noise level
- › Vibration-free sampling
- › Ease of operation
- › Problem-free sampling
- › Variable trough positioning
- › Low energy consumption
- › Cylinders made of high-resistant steel, stainless steel or aluminium
- › Maintenance-free bearings
- › Single cylinder drive by attachable gear motors
- › Fully enclosed construction

Range of applications

Mega Trieur are perfect for the following applications:

Cleaning

- › Wheat/spelt/rye
- › Barley
- › Oats
- › Paddy (unhusked rice)
- › Maize
- › Rape
- › Spices/herbs
- › Tea
- › Coffee
- › Cocoa

Grading & sorting

- › Oats, oat groats
- › Barley, pearl barley
- › White rice, white rice brokens
- › Legumes

Seed processing

- › Cereal grains of all types
- › Maize
- › Paddy (unhusked rice)
- › Grass seeds
- › Clover seed, Alfalfa seed
- › Legumes
- › Vegetable seeds
- › Oilseeds, e.g. rape, sun ower seeds
- › Linseed, sesame seed

Processing of various industrial products

- › Plastic granules
- › Minerals
- › Wood chips
- › Metal products
- › Chemicals and associated products

Barley processing

In malting plants

- › Removal of weed seeds, broken and small barley grains, as well as the possible separation of long grain portions (e.g. oats)

In decorticating mills (apart from the removal of weed seeds, broken grains and long grain portions)

- › Removal of the uncut barley from the groats
- › Grading of the groats into various sizes e.g.
hulled grain size $6 > 4.0 < 5.5$ mm
hulled grain size $5 > 3.5 < 4.5$ mm
hulled grain size $4 > 3.25 < 3.5$ mm
- › All associated re-grading functions throughout the entire process

Oat processing

In oat mills

- › Removal of weed seeds, broken grains, foreign grains and small oats from the raw oats
- › Grading of cleaned raw oats according to length, e.g. into three fractions before hulling
- › Removal of the uncut oats from the cut groats
- › All associated re-grading functions throughout the entire process

Raw and white rice processing

In rice mills

- › Removal of weed seeds and broken corns from paddy (unhusked rice)
- › Grading of white rice (milled cargo rice or brown rice) into whole rice from $1/1-3/4$ and brokens between $3/4-1/2$ and $1/2-1/4$ of whole grain length

Seed processing

- › Cleaning and length sorting of fine seeds such as clover seed, oil seeds, grass seeds, vegetable seeds etc.
- › Cleaning and length sorting of maize, sun ower seeds, raw coffee, peanuts, beans, lentils and similar products

Oat processing

- › Removal of impurities from granular spices such as mustard, caraway, coriander, juniper, etc.
- › Separation of stalks and similar foreign objects from leafy or owering herbs such as thyme, marjoram, basil, parsley etc.
- › Separation of stalks and similar foreign bodies from tea, rosehips, hawthorn blossoms, chamomile blossoms, etc.

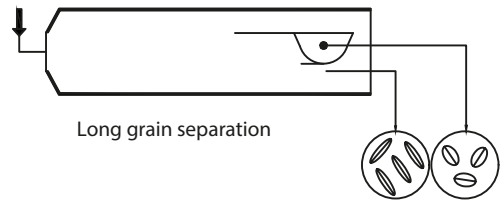
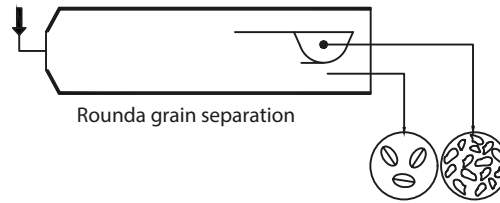


Technical Data

Mega Trieur plant MT 401

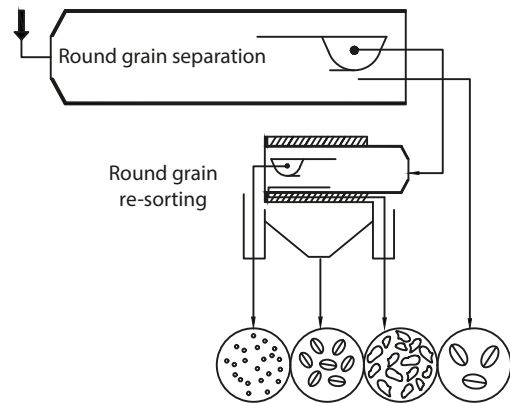
Type	Capacity at 3 % impurities (t/h)			Grader cylinder Diameter/ length (mm)	Motor (kW)
	Wheat/rye	Barley/ white rice	Oats/ paddy rice		
MT 401/1	1.3	1.0	0.8	400 / 1000	0.55
MT 401/2	1.7	1.3	1.0	400 / 1500	0.75
MT 401/3	3.5	2.8	2.1	600 / 1500	1.1
MT 401/4	5.0	4.0	3.0	600 / 2000	1.1
MT 401/5	6.5	5.2	3.9	600 / 2500	1.5
MT 401/6	8.0	6.4	4.8	600 / 3000	2.2
MT 401/7	10.0	8.0	6.0	700 / 2800	2.2
MT 401/8	12.5	10.0	7.5	700 / 3000	2.2
MT 401/9	16.0	13.0	10.0	700 / 4000	3.0

Type	Capacity at 3 % impurities (t/h)			Grader cylinder Diameter/ length (mm)	Motor (kW)
	Wheat/rye	Barley/ white rice	Oats/ paddy rice		
MT 401/11	1.1	0.8	0.6	400 / 1000	0.55
MT 401/12	1.5	1.2	0.9	400 / 1500	0.75
MT 401/13	3.0	2.4	1.8	600 / 1500	1.1
MT 401/14	4.0	3.2	2.4	600 / 2000	1.1
MT 401/15	5.0	4.0	3.0	600 / 2500	1.5
MT 401/16	6.0	4.8	3.6	600 / 3000	2.2
MT 401/17	7.5	6.0	4.5	700 / 2800	2.2
MT 401/18	8.5	7.5	5.1	700 / 3000	2.2
MT 401/19	12.0	10.0	6.8	700 / 4000	3.0



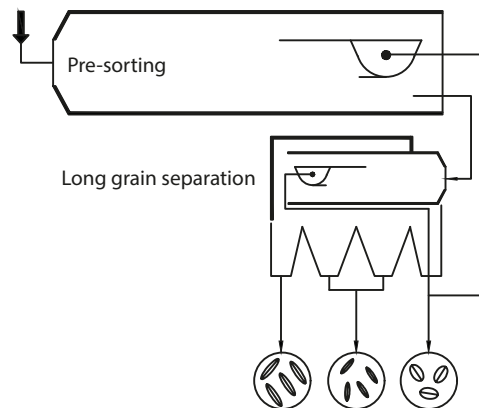
Mega Trieur plant MT 402

Type	Capacity at 3 % impurities (t/h)	Grader cylinder Diameter/ length (mm)	Re-sorting cylinder with reversible screen Diameter/ length (mm)	Motor (kW)	
				Main separation	Re- sorting
MT 402/1	1.7	400 / 1500	400 / 480	0.75	0.55
MT 402/2	3.5	600 / 1500	400 / 730	1.1	0.55
MT 402/3	5.0	600 / 2000	400 / 730	1.1	0.55
MT 402/4	6.5	600 / 2500	400 / 980	1.5	0.55
MT 402/5	8.0	600 / 3000	400 / 980	2.2	0.55
MT 402/6	10.0	700 / 2800	400 / 980	2.2	0.55
MT 402/7	12.5	700 / 3000	400 / 980	2.2	0.55
MT 402/8	15.0	700 / 4000	400 / 980	3.0	0.55



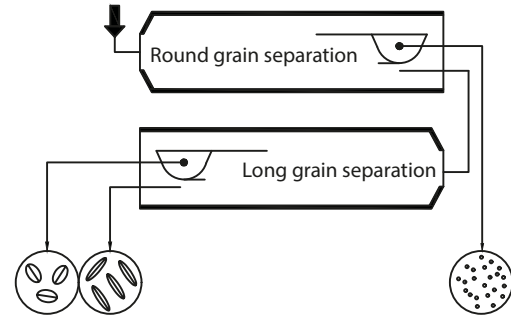
Mega Trieur plant MT 403

Type	Capacity at 3 % impurities (t/h)	Grader cylinder Diameter/ length (mm)	Re-sorting cylinder with reversible screen Diameter/ length (mm)	Motor (kW)	
				Main separation	Long grain separation
MT 403/1	2.0	400 / 1500	400 / 1000	0.75	0.75
MT 403/2	4.0	600 / 1500	400 / 1300	1.1	0.75
MT 403/3	6.0	600 / 2000	400 / 1500	1.1	0.75
MT 403/4	8.0	600 / 2500	400 / 1500	1.5	0.75
MT 403/5	10.0	600 / 3000	400 / 1500	2.2	0.75
MT 403/6	12.5	700 / 2800	600 / 1500	2.2	1.1
MT 403/7	15.0	700 / 3000	600 / 1500	2.2	1.1



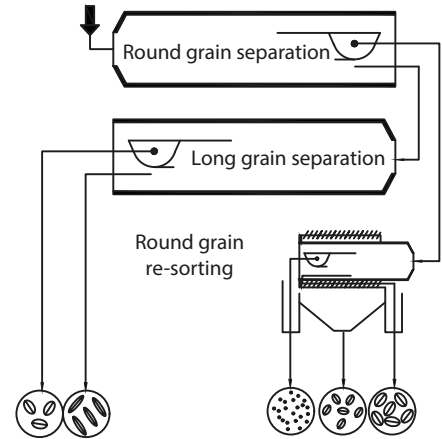
Mega Trieur plant MT 404

Type	Capacity at 3% impurities (t/h)		Grader cylinder Round grain separation	Grader cylinder Long grain separation	Motor (kW)	
	Wheat/rye	Barley	Diameter/length (mm)	Diameter/length (mm)	Round grain separation	Long grain separation
MT 404/1	1.5	1.2	400 / 1500	400 / 1500	0.75	0.75
MT 404/2	3.0	2.4	600 / 1500	600 / 1500	1.1	1.1
MT 404/3	4.0	3.2	600 / 2000	600 / 2000	1.1	1.1
MT 404/4	5.0	4.0	600 / 2500	600 / 2500	1.5	1.5
MT 404/5	6.0	4.8	600 / 3000	600 / 3000	2.2	2.2
MT 404/6	8.0	6.4	600 / 3000	700 / 3000	2.2	2.2
MT 404/7	8.5	7.5	700 / 3000	700 / 3000	2.2	2.2
MT 404/8	12.0	10.0	700 / 4000	700 / 4000	3.0	3.0
MT 404/9	12.0	10.0	700 / 3000	700 / 4000	2.2	3.0



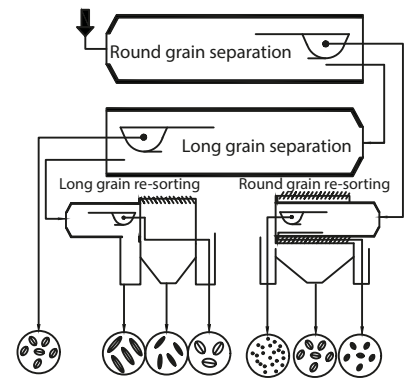
Mega Trieur plant MT 405

Type	Capacity at 3% impurities (t/h)	Grader cylinder Round grain separation	Grader cylinder Long grain separation	Motor (kW)		
				Round grain separation	Long grain separation	Long grain re-sorting
MT 405/1	1.5	400 / 1500	400 / 1500	0.75	0.75	0.55
MT 405/2	3.0	600 / 1500	600 / 1500	1.1	1.1	0.55
MT 405/3	4.0	600 / 2000	600 / 2000	1.1	1.1	0.55
MT 405/4	5.0	600 / 2500	600 / 2500	1.5	1.5	0.55
MT 405/5	6.0	600 / 3000	600 / 3000	2.2	2.2	0.55
MT 405/6	8.0	600 / 3000	700 / 3000	2.2	2.2	0.55
MT 405/7	8.5	700 / 3000	700 / 3000	2.2	2.2	0.55



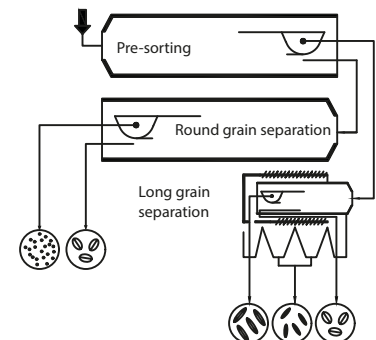
Mega Trieur plant MT 406

Type	Capacity at 3% impurities (t/h)	Grader cylinder Round grain separation	Grader cylinder Long grain separation	Round grain re-sorting with reversible screen	Long grain re-sorting with reversible screen	Motor (kW)	
						Separation round/long	Re-sorting round/long
MT 406/1	1.5	Çap/ Uzunluk (mm) 400 / 1500	Diameter/length (mm) 400 / 1500	Diameter/length (mm) 400 / 480	Diameter/length (mm) 400 / 370	2 x 0.75	2 x 0.5
MT 406/2	3.0	600 / 1500	600 / 1500	400 / 480	400 / 370	2 x 1.1	2 x 0.5
MT 406/3	4.0	600 / 2000	600 / 2000	400 / 730	400 / 620	2 x 1.1	2 x 0.55
MT 406/4	5.0	600 / 2500	600 / 2500	400 / 980	400 / 870	2 x 1.5	2 x 0.55
MT 406/5	6.0	600 / 3000	600 / 3000	400 / 980	400 / 870	2 x 2.2	2 x 0.55
MT 406/6	8.0	600 / 3000	700 / 3000	400 / 980	400 / 870	2 x 2.2	2 x 0.55
MT 406/7	8.5	700 / 3000	700 / 3000	400 / 980	400 / 870	2 x 2.2	2 x 0.55
MT 406/8	12	700 / 3000	700 / 4000	400 / 980	400 / 870	2 x 3.0	2 x 0.55



Mega Trieur plant MT 407

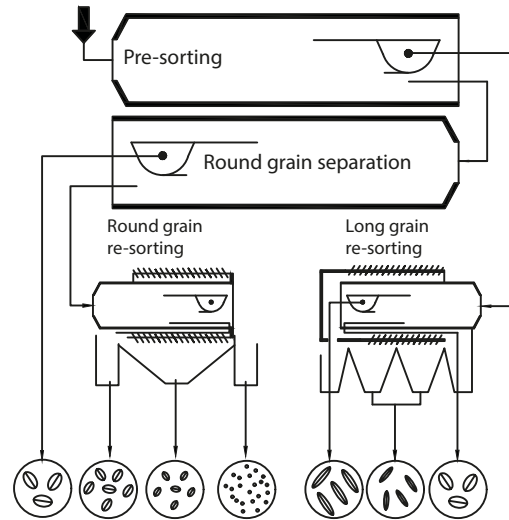
Type	Capacity at 3% impurities (t/h)	Grader cylinder Pre-sorting	Grader cylinder Round grain separation	Long grain re-sorting with reversible screen	Motor (kW)		
					Pre-sorting	Pre-sorting Round	Long grain separation
MT 407/1	1.5	Diameter/length (mm) 400 / 1500	Diameter/length (mm) 400 / 480	Diameter/length (mm) 400 / 370	Pre-sorting 0.75	Pre-sorting Round 0.75	Long grain separation 0.75
MT 407/2	3.0	600 / 1500	400 / 480	400 / 370	1.1	1.1	0.75
MT 407/3	4.0	600 / 2000	400 / 730	400 / 620	1.1	1.1	0.75
MT 407/4	5.0	600 / 2500	400 / 980	400 / 870	1.5	1.5	0.75
MT 407/5	6.0	600 / 3000	400 / 980	400 / 870	2.2	2.2	0.75
MT 407/6	8.0	600 / 3000	400 / 980	400 / 870	2.2	2.2	1.1
MT 407/7	8.5	700 / 3000	400 / 980	400 / 870	2.2	2.2	1.1



Mega Trieur plant MT 408

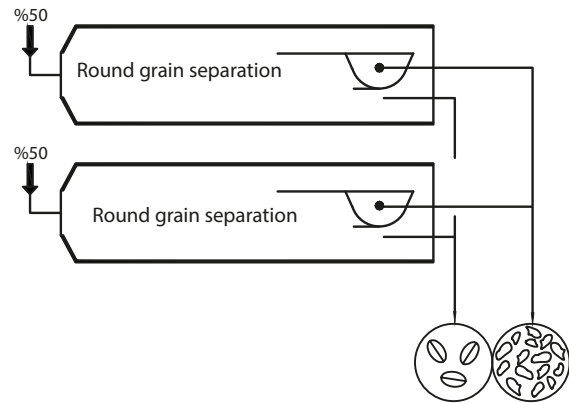
Type	Capacity at 3% impurities (t/h)		Grader cylinder Pre-sorting	Grader cylinder Round grain separation	Long grain re-sorting with reversible screen	Round grain re-sorting with reversible scree
	Wheat/rye		Diameter/length (mm)	Diameter/length (mm)	Diameter/length (mm)	Diameter/length (mm)
MT 408/1	1.5		400 / 1500	400 / 480	400 / 370	400 / 980
MT 408/2	3.0		600 / 1500	400 / 480	400 / 370	400 / 980
MT 408/3	4.0		600 / 2000	400 / 730	400 / 620	400 / 980

Type	Motor (kW)			
	Pre-sorting	Round grain separation	Long grain separation	Re-sorting round/long
MT 408/1	2.2	2.2	0.75	0.55
MT 408/2	2.2	2.2	1.1	0.55
MT 408/3	2.2	2.2	1.1	0.55



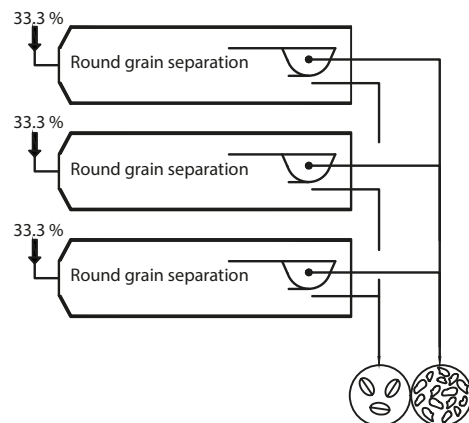
Mega Trieur plant MT 410

Type	Capacity at 3% impurities (t/h)		Grader cylinder Round grain separation	Motor (kW)
	Wheat/rye	Barley	Diameter/length (mm)	
MT 410/1	16.0	12.8	600 / 3000	2 x 2.2
MT 410/3	24.0	20.0	700 / 3000	2 x 2.2
MT 410/4	32.0	26.7	700 / 4000	2 x 3.0



Mega Trieur plant MT 412

Type	Capacity at 3% impurities (t/h)		Grader cylinder Round grain separation	Motor (kW)
	Wheat/rye	Barley	Diameter/length (mm)	
MT 412/1	36.0	30.0	3 x 700 / 3000	3 x 2.2
MT 412/1	48.0	40.0	3 x 700 / 4000	3 x 3.0



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