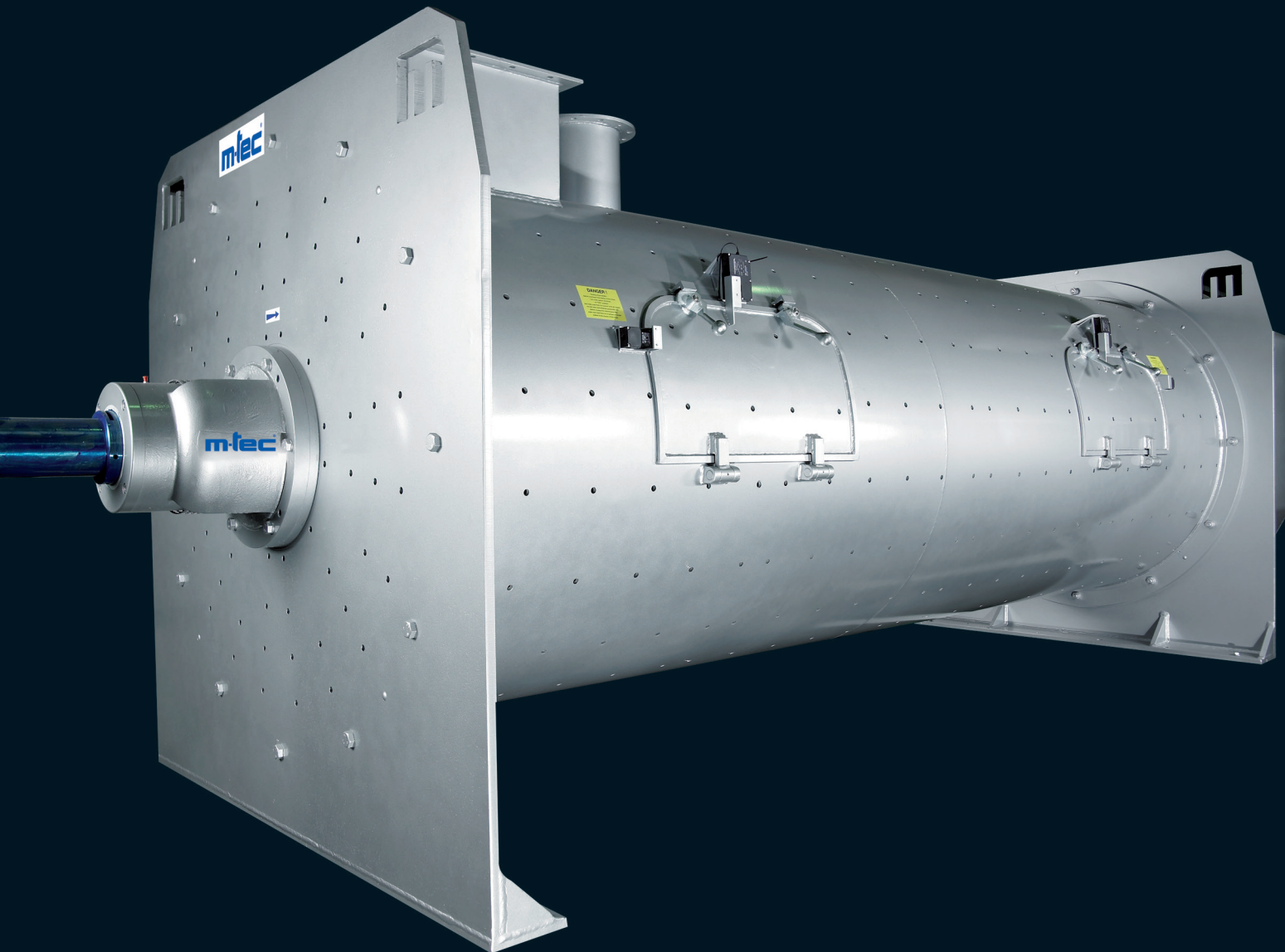
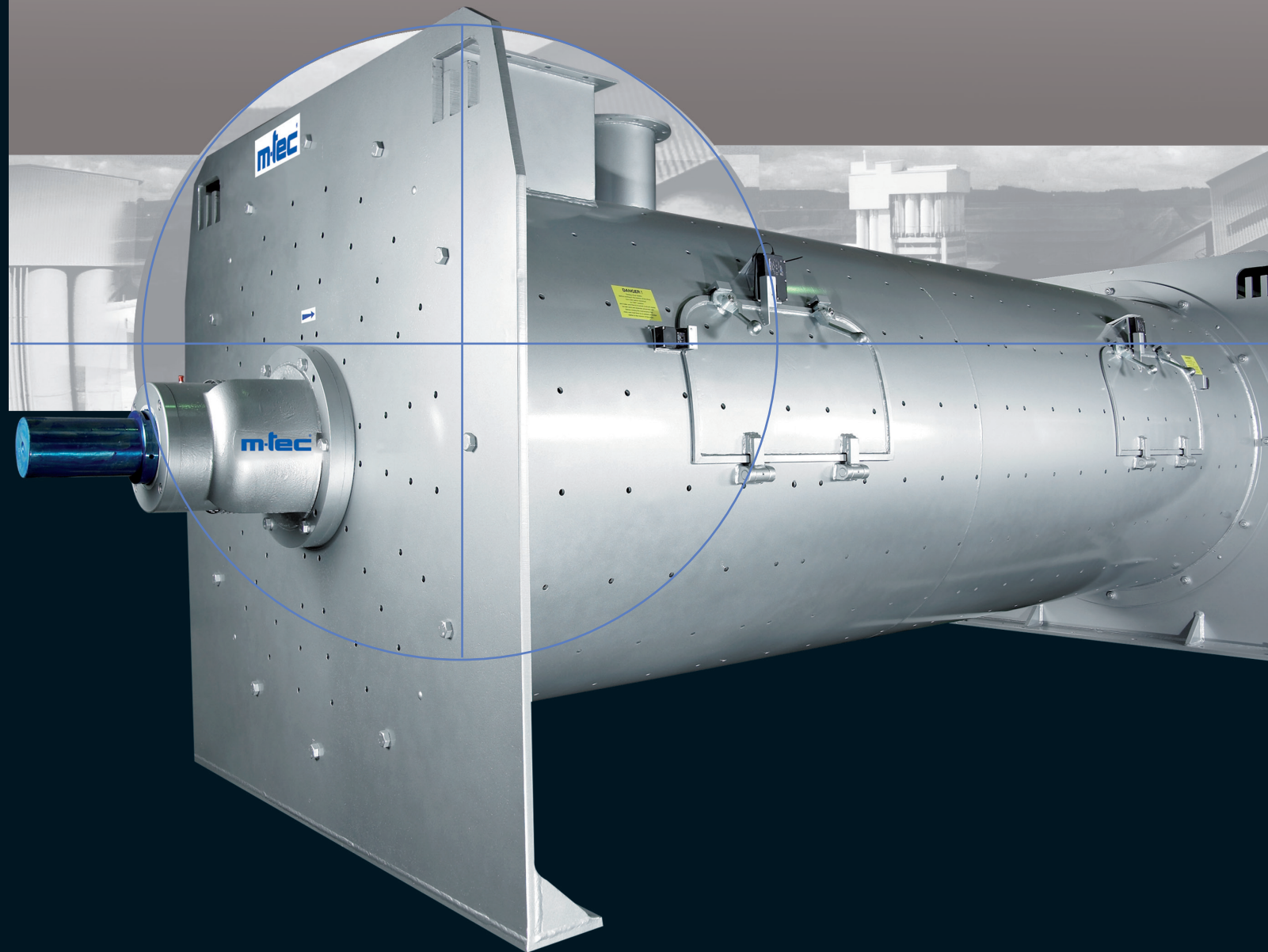


# MD



# MD

Continuous mixer:  
Continuous high-level  
output!



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# MD continuous mixer: Continuous high-level output!

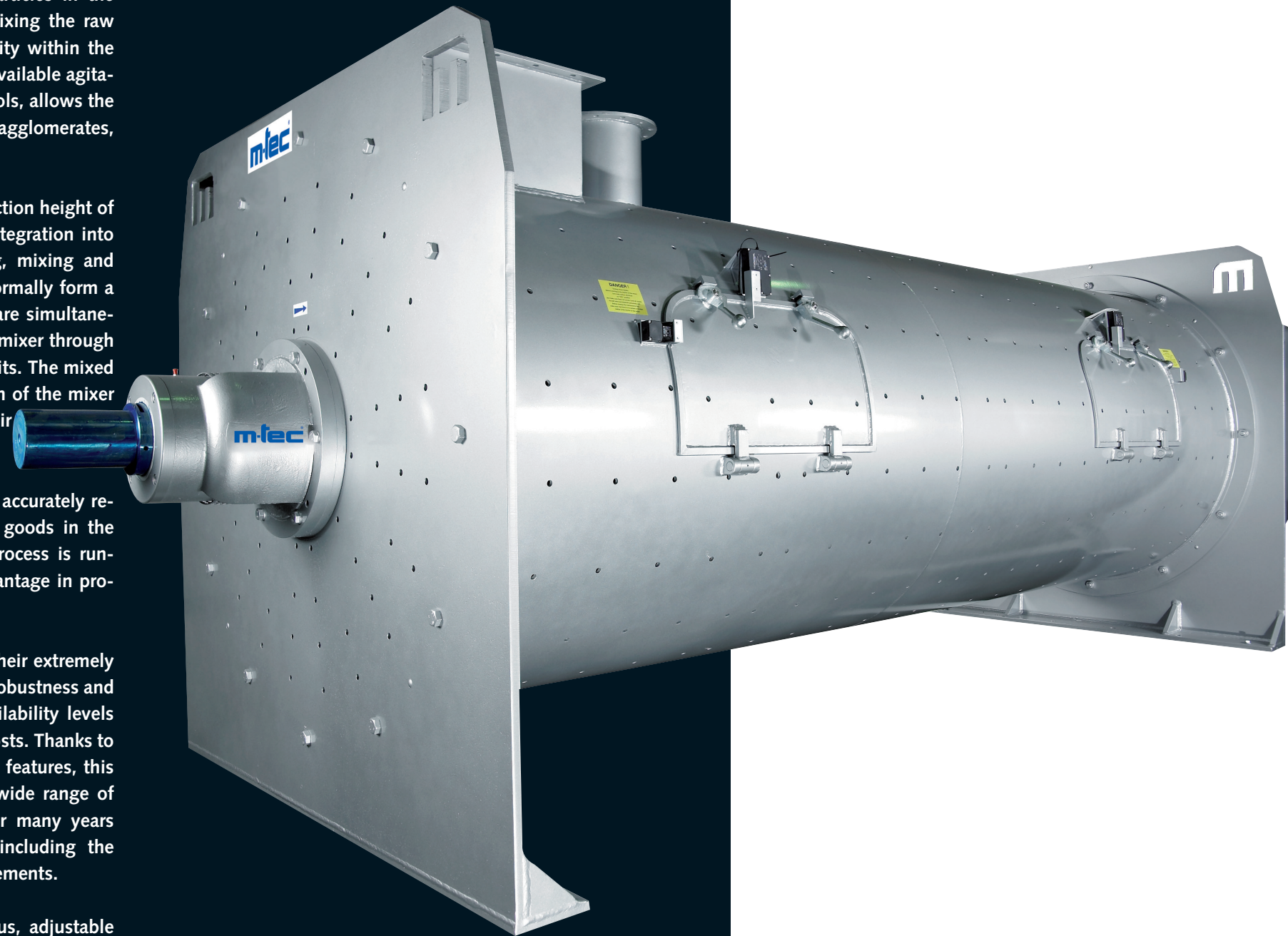
m-tec mixers work according to the centrifugal principle. The special construction of the mixer unit (also available with low-wear fittings as required) creates a three-dimensional movement in the particles in the components to be mixed. By gently mixing the raw materials, this allows high mixing quality within the briefest of times. The use of optionally available agitators, which are fitted with specialised tools, allows the successful, trouble-free processing of agglomerates, colour pigments as well as fibres.

The constructively planned, low construction height of this mixer series also allows its easy integration into existing plans and designs. The filling, mixing and emptying processes in the MD series normally form a continuous process. The raw materials are simultaneously and continuously fed through the mixer through dosing screw feeders or other dosing units. The mixed product passes through the entire length of the mixer drum and exits through the overflow weir at the outlet; this weir can be adjusted, either manually or by means of a motor.

In this way, the fill level can be used to accurately re-adjust the holding time for the mixed goods in the mixing drum, even while the mixing process is running... a not-to-be-underestimated advantage in process optimization.

These mixers are also characterised by their extremely long lifespan as well as their legendary robustness and reliability. This translates into high availability levels as well as low maintenance and repair costs. Thanks to its mixing principle and its construction features, this mixer range is universally suited to a wide range of mixing tasks. This mixer range has for many years been internationally proven in tasks including the manufacture of finely ground blended cements.

Constant mixing quality with continuous, adjustable output - MD type mixers are ideally suited for customers who for technical reasons require high level, variably adjustable throughput performance with homogeneous mixing results.



# MD

## > MD: Plus points



### EasyClean

- Simple cleaning thanks to completely openable overflow weir



### EasyWork

- Continuous production
- Control of the fill level as well as the holding time of the mixed product in the mixer with an adjustable overflow weir
- Long mixing shaft seal lifespan thanks to a specially developed sealing system
- Long mixing body lifespan
- Simple, rapid replacement of consumer parts
- Low construction height (in comparison with mixers with an end container)



### EasyMix

- Gentle product handling thanks to specialised mixer blade geometry
- High mixing quality with the shortest mixing times
- Uniform mixing results with short holding times
- Improved processing of agglomerates, colour pigments and fibres thanks to optionally integratable whirler



### EasyLife

- Universal application for almost any mixing task
- Perfectly approved for the fabrication of cementitious-mixed products
- Excellent price-performance ratio
- High efficiency thanks to low energy consumption
- High availability thanks to long maintenance intervals and ease of maintenance Design
- High reliability and long lifespan thanks to manufacture according to recognised m-tec quality standards



## > MD: Technical data



Type	MD 10	MD 20	MD 40	MD 70	MD 100	MD 150	MD 200	MD 300	MD 400	MD 600
<b>mixer volume (dm<sup>3</sup>)</b>										
min.	40	80	160	280	400	600	800	1200	1600	2400
max.	100	200	400	700	1000	1500	2000	3000	4000	6000
<b>Throughput at 60s average holding time</b>										
m <sup>3</sup> /h	6	12	24	42	60	90	120	180	240	360
<b>Weight (kg)</b>										
Mixer	470	700	1130	2150	2500	3480	4500	6400	8400	12800
Drive a.	-	-	200	220	250	420	570	680	835	1340
Drive b.	140	185	220	250	420	570	680	835	1340	1560
Drive c.	200	220	420	570	835	930	1340	1210	1560	1760
<b>Whirler</b>										
Number	1	2	2	2	3	3	4	5	6	7
<b>Mixing gear drive</b>										
Drive a.	-	-	3	5.5	7.5	11	15	22	30	45
Drive b.	1.1	2.2	5.5	7.5	11	15	22	30	45	75
Drive c.	3	5.5	11	18.5	30	37	45	55	75	90

\*charge ratio 20-50%

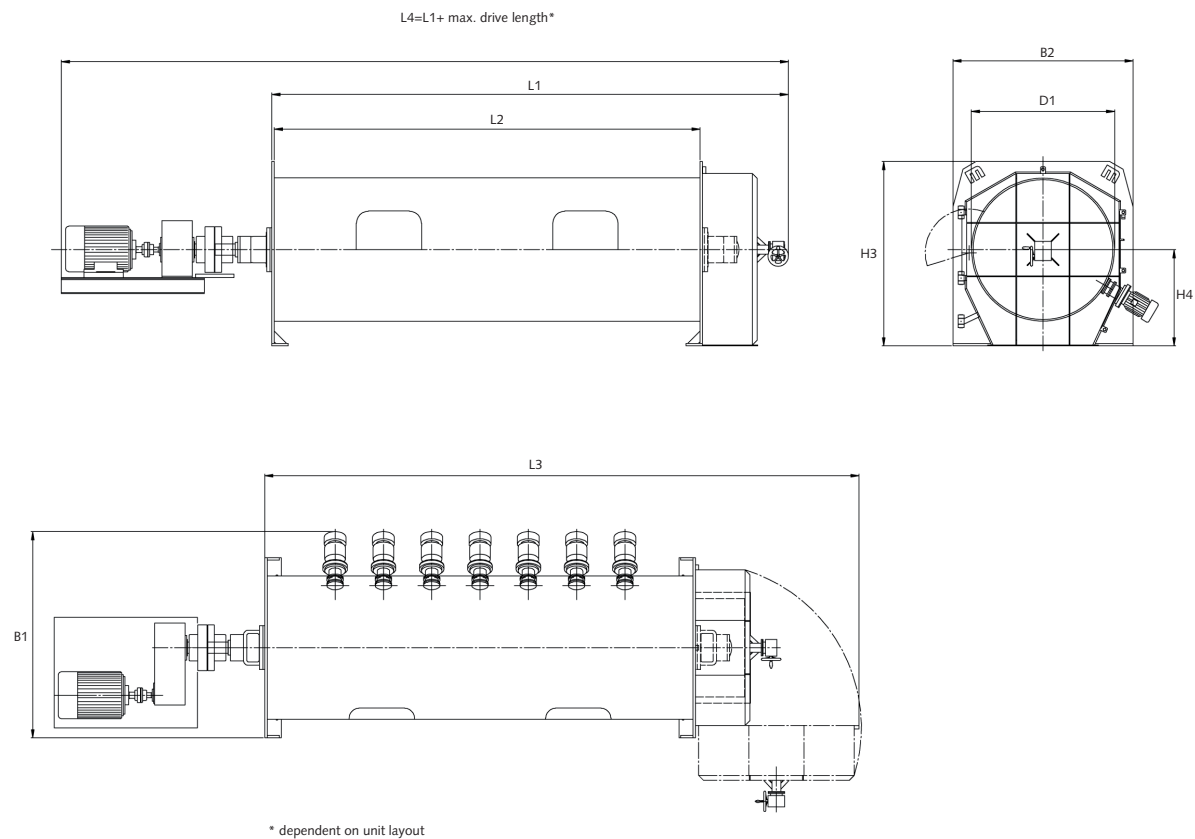
Whirler for all mixers	
P (kW)	7,5
n (rpm)	3000

Other fittings are available upon request.  
Subject to technical alterations.



Option: agitator quick change system

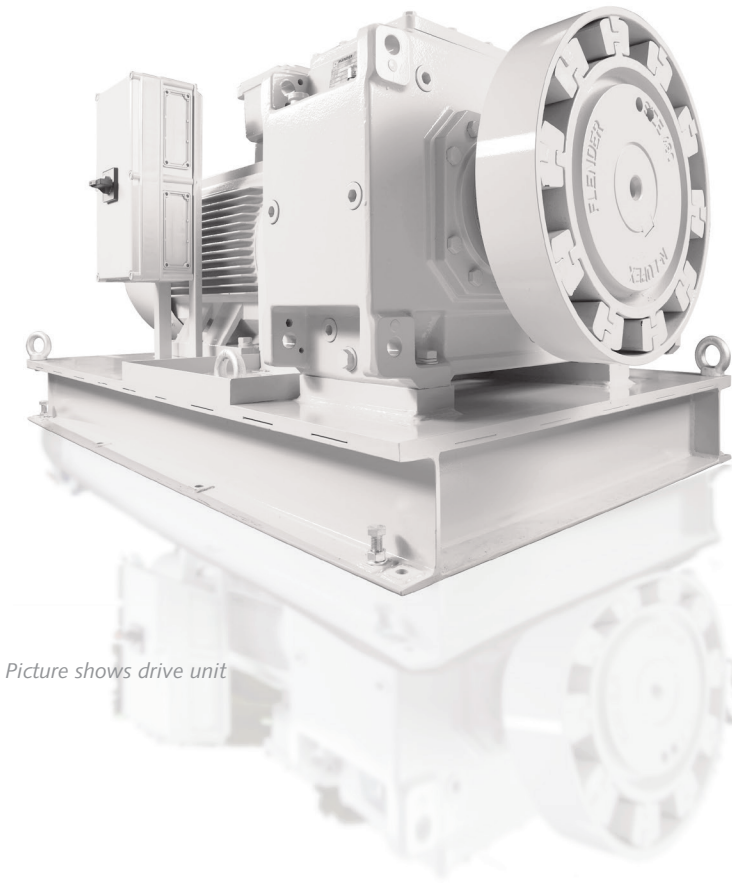
> MD: Facts



Schematic drawing, shown without inlet nozzles.

Type	D1	L1	L2	L3	L4	H3	H4	B1	B2
MD 10	450	1800	1300	2035	2775	725	345	1240	780
MD 20	550	2230	1700	2535	3314	840	395	1350	900
MD 40	700	2733	2100	3131	4102	1100	560	1510	1100
MD 70	850	3148	2500	3701	4639	1270	640	1610	1250
MD 100	920	3688	3000	4221	5380	1300	640	1690	1250
MD 150	1110	3850	3110	4625	5596	1580	790	1910	1540
MD 200	1200	4370	3550	5195	6368	1680	840	2020	1670
MD 300	1350	5050	4150	6030	6866	1900	950	2170	1850
MD 400	1500	5450	4450	6425	7935	2000	1050	2310	2000
MD 600	1710	6305	5200	7325	8878	2250	1175	2510	2200

Subject to technical alterations, all measurements in mm



Picture shows drive unit



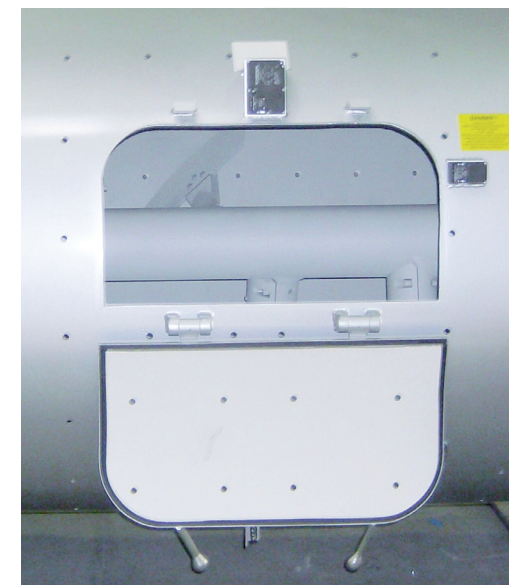
Picture shows agitator tools



Picture shows mixing tools

Type	mixer volume (dm <sup>3</sup> )		Throughput (m <sup>3</sup> /h)	
	max	60s average holding time	60s average holding time	120s average holding time
MD 10	100	6	6	3
MD 20	200	12	12	6
MD 40	400	24	24	12
MD 70	700	42	42	21
MD 100	1000	60	60	30
MD 150	1500	90	90	45
MD 200	2000	120	120	60
MD 300	3000	180	180	90
MD 400	4000	240	240	120
MD 600	6000	360	360	180

The provided output values are for reference only



Picture shows maintenance flap