

MGT FOOD DIVISION





OVERVIEW

Food division

MGT Liquid and Process Systems specializes in engineering and manufacturing of custom-made, innovative stainless steel process solutions for the food industry. We offer advanced solutions encompassing design, manufacture, transport and installation to clients worldwide. MGT process vessels are manufactured in AISI 304L or AISI 316L 2B finish Stainless Steel.

MGT designs and manufactures a wide range of stainless steel processing vessels and agitators covering all aspect of liquid food processing, adapted to specific industry requirements.

Our comprehensive product range includes stainless steel silos, aseptic and fermentation tanks, mixing, ageing and CIP tanks, processing vessels and other, various dedicated solutions for the food industry, as well as stainless steel agitators to suit every process requirement.

We combine more than 40 years of experience supplying food producers worldwide, by utilizing cutting edge technology to provide our clients with superior solutions adapted to their specific custom requirements.

MGT

MGT offers a one-stop shop for all your requirements of stainless steel tanks, vessels and agitators. Our wide range of products combined with our extensive engineering capabilities and streamlined state of the art manufacturing process, allow us to meet any requirement, and provide a seamlessly integrated solution.

MGT offers its customers a complete services package under one roof: analysis, consultation, design, manufacturing,

transportation, installation, testing and commissioning, which are adapted to your specific processing requirements, resulting in a cost effective solution.

Technology

MGT operates a manufacturing plant covering over 11,000 m², equipped with the latest engineering & manufacturing technologies. By utilizing state of the art advanced manufacturing procedures including automated welding and polishing machines, MGT has built a reputation for consistent excellence in design and manufacturing whilst maintaining strict quality controls.

Each MGT tank, vessel and agitator meets the most stringent international standards

- ISO:9001
- ISO:14001
- CE Code Stamp on request
- TUV NORD on request
- Pressure vessels are built according to ASME Standard, Section VIII, Division 1 and approved by The Israeli Standards Institute
- Israeli Research Institution (The Technion): Inspection manufacture of tankers

Punctual delivery, anywhere in the world

You say where, we deliver!

MGT delivers its process solutions worldwide, complete with testing, commissioning and after sales service. Our ability to promptly adapt to customer requirements, coupled with our streamlined design and manufacturing, allows us to meet tight schedules and guarantee punctual delivery.

DAIRY

MGT has more than 40 years of experience in building stainless steel tanks for milk and dairy processing. We supply custom-made vessels for all milk processing stages (both for farms and for dairies), including milk coolers, road tankers, storage silos up to 250 m³, aseptic and fermentation tanks, yogurt & cream tanks, and CIP tanks.

Our stainless steel tanks and vessels can be supplied complete with fully welded insulation and cladding, dimple/half pipe cooling jackets and integrated agitators, etc. All stainless steel dairy silos and vessels are finished to food grade finish in accordance with the 3A standard and supplied to customers with relevant certifications, such as TUV or CE on demand.



JUICE

MGT offers a comprehensive range of juice processing and storage vessels.

Mixing and agitation of juice is a critical process. Maintaining the consistency of fruit pulp in the liquid while ensuring the thorough mix of ingredients poses a challenge that we at MGT readily overcome. Our extensive experience of the juice processing industry enables us to provide our clients with ideal solutions for their processing needs.



B E E R

MGT designs and manufactures high-quality stainless steel beer maturation and fermentation processing vessels, in any desired capacity.

Our comprehensive product range includes pressure and vacuum tanks in a wide range of specifications. Tanks are built according to ASME pressure vessels standards, and supplied to customers with relevant certifications, such as TUV or CE on demand.

Building on our extensive engineering and manufacturing experience and know-how of vessels for the brewing industry, we design and manufacture specialized solutions for beer processing, which can be delivered with integrated support systems according to your requirements, including dimple or half pipe jackets. All our tanks are polished to a 3A standard. Fermentation tanks are designed with toroconical bottoms in accordance with customers' specification, to allow an efficient fermentation process.



W I N E

MGT designs and manufactures high-quality stainless steel fermenting and storage vessels for wine processing in any desired capacity. Our comprehensive product range includes red and white wine fermentation tanks, settling and storage tanks in a wide range of specifications.

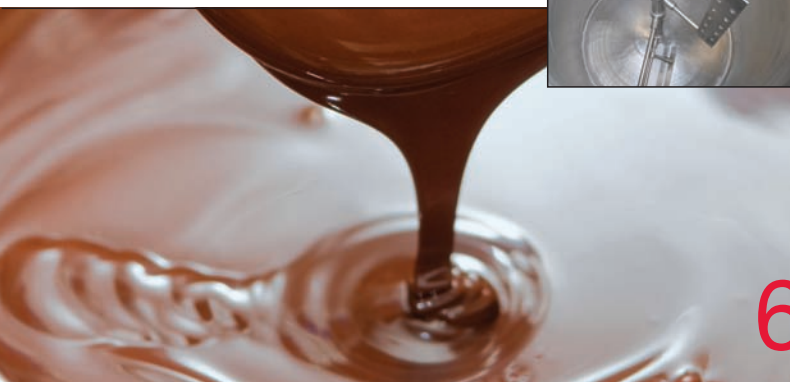
Building on MGT's extensive engineering and manufacturing experience and know-how, we developed specialized solutions for the wine industry, which can be delivered with various cooling configurations. Our tanks are polished to a 3A standard finish inside and out. Our red wine fermentation tanks are supplied in capacities of up to 50m³, and include pump-over circulation pumps, and electronic control panels that allow optimal control of the fermentation process.



CHOCOLATE

MGT relies on 40 years of engineering and manufacturing experience to supply high quality, custom-made stainless steel chocolate melting tanks, chocolate mixing vessels, and various other chocolate-processing vessels.

MGT tanks are made of stainless steel finished with an internal and external polish (3A standard), and can be delivered with integrated agitators of various types such as Gate agitators, Perforated Wing agitators and Anchor type agitators. Heating is performed using half pipe or dimple jackets welded to the vessels shell. Temperature is maintained using mineral wool insulation clad with a fully welded stainless steel exterior shell.



EDIBLE OIL

MGT supplies high quality, custom-made edible oil processing and storage stainless steel tanks. Our products allow the storage of various types of oils in a perfectly hygienic environment.

The tanks are characterized by conical heads and vertical shell, which allow the cost effective storage of large quantities of oils at a given area.

Our olive oil storage tanks have been supplied to an extensive number of clients. They are designed for storage under purged gas conditions, in order to maintain the low acidity characteristics that are critical for olive oil quality.



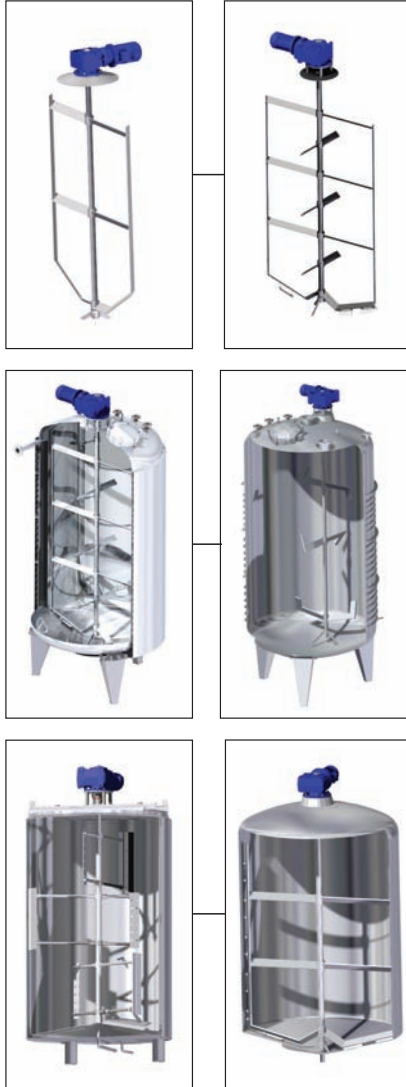
MIXERS AND AGITATORS

MGT designs and manufactures a comprehensive range of stainless steel agitators to suit every process requirement of the food industry.

The design of every MGT agitator is based on 40 years of production experience, utilizing our state-of-the-art mixing design software.

We offer the flexibility of manufacturing units to meet all individual requirements. MGT dairy processing tanks can be delivered with various agitator types:

- Marine type propeller
- Paddle type
- UZ
- Gate type
- Anchor with optional Teflon scrapers
- Pitched Blade type



Benefits of MGT's complete vessel & agitator solutions:

- 40 years experience in the design and manufacture of dairy processing vessels & agitators
- Integrated design and manufacturing program
- Integrated testing plan and procedure
- Single source for processing equipment
- Economical advantage of purchasing from one supplier
- Consolidated shipping

TANKERS

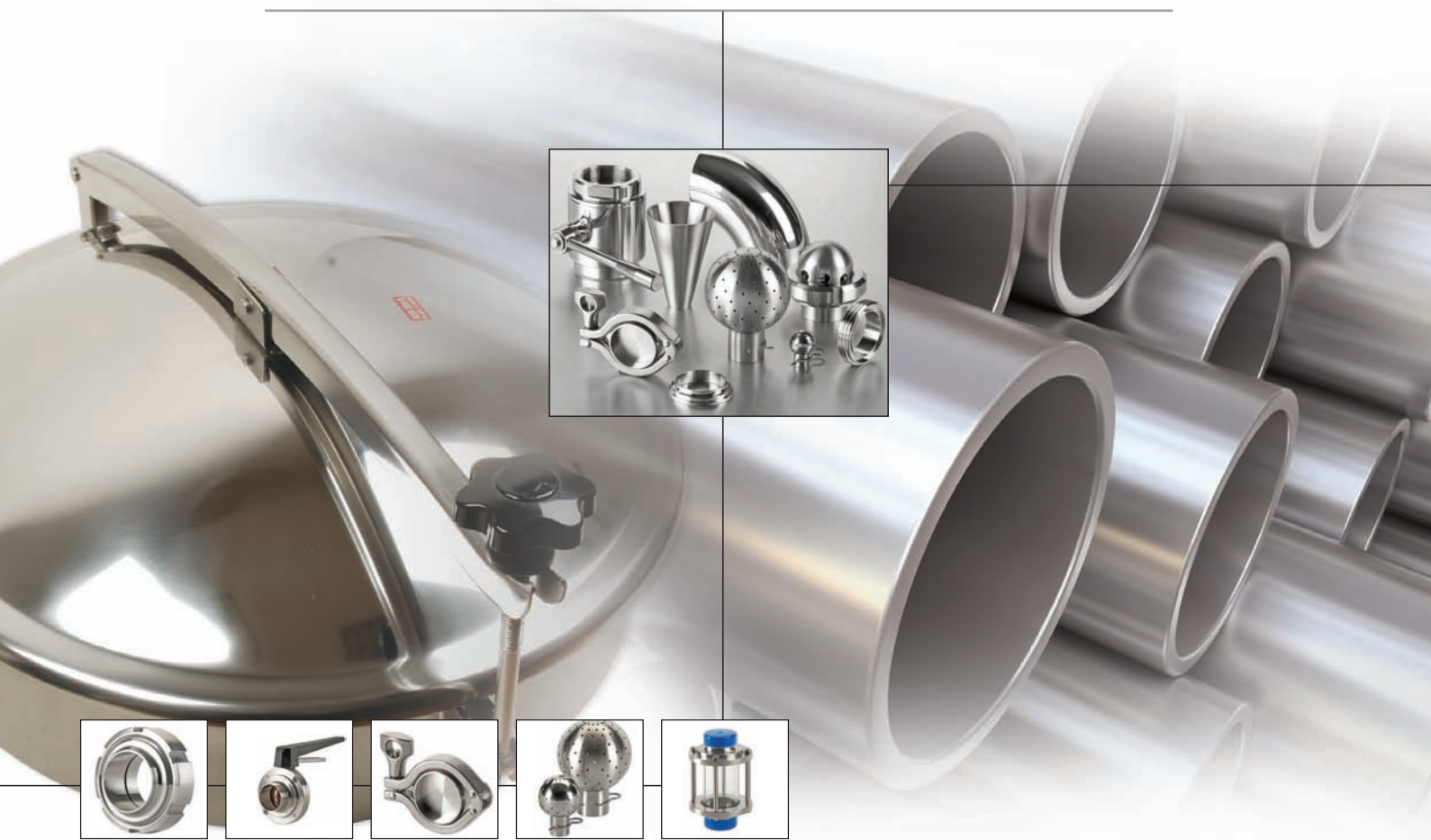
MGT is a leading producer of insulated, hygienic stainless steel road tankers for the transport of bulk liquid foodstuffs such as milk, wine, edible oils, liquid sugar, and mineral water.

Our road tankers are manufactured in AISI 304L Stainless Steel or AISI 316L Stainless Steel using the most advanced production methods and technology, which ensures a superior long lasting transport solution.

Our road tankers are mounted on trucks, semi trailers or full trailer tankers, and conform to the most stringent international transport standards and qualifications.



STAINLESS STEEL PIPES & FITTINGS



Following our one-stop shop philosophy, MGT supplies a comprehensive range of high quality sanitary stainless steel Tubes, Fittings and Valves, which complete our engineering and manufacturing services.

We offer competitive solutions for the following:

- stainless steel welded Dairy Tubes
- fittings - unions, bends, equal "T", TC, reducers, pipe clips
- Ornamental stainless steel Tube
- Hollow sections in stainless steel Tubes
- Butterfly valves
- Ball valves (1 pc / 2 pc/ 3 pc)
- Check valves, Sight glass
- Flanges
- Tank manways, vents, sample valves, breathing valve vacuum / pressure relief valves
- CIP Spray balls
- Advanced stainless steel draining systems and gullies solutions

