

OFFERING A VARIETY OF APPLICATIONS

Although initially designed for exoxy profiling fillers, due to the use of "unipack" sausages this mixing machine opens a variety of other applications in the Marine and Industry area, such as:

- Mixing of two component kit
- Mixing of two component glue



SPECIFICATIONS

Capacity	2 x 7,5 liters
Output	3 liter/min.
Length x Width	120 x 80 cm
Height	200 cm
Weight	350 Kg
Power consumption	550 Watt

COMPANY PROFILE

ASpect Industrial Equipment is located in Drachten, The Netherlands. The company has a long tradition in supplying complete solutions for paint customers in the Marine and Industry area, varying from high tech spray equipment, air technology, filter materials, cabin products, personal protection equipment, professional clothing, tapes, sanding materials, compressed air and pneumatics tools.

www.lowlossmixer.com



patent application is pending

LOW LOSS FILLER MIXING MACHINE

(The true only low loss filler mixer available in the world)



Guaranteed exact mixing

Filler cost savings typically of **33%**!

Savings up to **of several tens of tons** on weight

Any mixing ratio possible

Refill within **30 seconds**!

Easy operating,
no skilled staff needed

Fully safe operation

Cleaning limited to a few
small parts

No waste disposal

THE PROBLEM

In the current market approach paint manufacturers have been adapting their epoxy fillers, commonly used for profiling the hull and superstructure of yachts and super yachts, to the demands of the filler mixing machines that are available on the market.

This approach does not only require additional development for paint manufacturers, it also implies sacrificing the specific properties of the filler such as:

- Shore D
- specific weight

The implications of the modified properties are significant:

- the flexibility of the filler becomes substantially lower
- the filler becomes difficult to sand
- the overall weight of the filler increases typically by 33%

Moreover, the machines that are currently available on the market cannot meet the specific requirements at all for fillers that have an **ultra low specific weight** (ulsw fillers), leaving a **gigantic gap** between the typical sw (specific weight) of the applied fillers with a value equal or larger than 1 and on the other hand the sw value of these ulsw fillers of less than 0.6.

The inability of meeting these requirements results in increasing the weight of a 60-80 meter super yacht by 20 tons!

THE SOLUTION

In its long experience in delivering solutions for their customers, **ASpect Industrial Equipment**, located in Drachten, The Netherlands felt the need for searching for a solution to overcome the typical drawbacks of current automatic filler mixing for the yacht and super yacht market.

Aspect Industrial Equipment's approach was to keep the filler properties intact at the end of the mixing process in order to fully benefit from these original properties.

Together with its partner **Boero YachtCoatings** located in Genoa, Italy, who supplies the yacht paint products for the majority of the super yachts and mega yachts around the world, ASpect Industrial Equipment started the development of a new filler mixing machine that meets the specific requirements for the yacht coating system.

The result is not only a mixing machine that keeps all specific filler properties intact, but also a machine that is very easy and safe to operate and truly low maintenance.

FEATURES

Guaranteed exact mixing of filler components

Inaccurate mixing ratio due to wear of parts normally causes large consequential damage. This is avoided by hard coupling between both plungers

Extremely low loss of volume (typ. 1%)

Cost savings typically of **33%** of total filler purchasing
Because there is no increase of specific weight, the overall weight saving for a super yacht are up to **several tens of tons**

Any mixing ratio possible

Can be any natural number and fraction, without increasing size and cost of the mixing machine

Extremely fast and easy to refill

Within less than 30 seconds the machine can be refilled due to the use of **"unipack"** sausages

No disposal of waste

by avoiding use of containers

Mixing of fillers with ultra low specific weight (ulsw fillers)

The use of these high performance fillers is now possible (e.g. *Epolight Win* and *Epolight Plus* ulsw fillers of *Boero YachtCoatings*) almost without loss of volume

Non critical design approach

By avoiding maintenance sensitive parts and avoiding the use of wear and temperature sensitive hydraulic systems in the transport system, the Mean Time Between Failure is kept very low

Full warrantee on all parts of the machine

There are no exceptions made on the warrantee for any part, even not on the pump

Easy moving with four casters

Fully safe for operation

No risk on labor injuries when operating the machine

CE marking

Easy power supply connection

220 Volt single phase connection

Fully ready for transporting by a forklift

due to the presence of slots and the size of a single euro pallet

