

RIGAL BENNETT

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CHOOSING A NEW MIXER SYSTEM

Rigal Bennett Group is an established supplier of fluid mixing systems to process industries worldwide. Based on our 30 plus years service to industry we have developed a range of low cost high performance machines that offer an effective solution to suit a wide range of applications from food, pharmaceutical, cosmetic, chemical to paint processes industries. Batch sizes range from 1L to 45,000L.

We manufacture a range of mixers: clamp on stirrers, shearhead mixers, dispersion mixers, slow & medium speed mixers, inline mixers, I.B.C. & drum mixers, axial-tube dissolvers, combination mixers, anchor scraped mixers, side or bottom entry and lab/pilot mixers.

From our range of different types of mixers, we aim to supply a mixer to suit most applications. By supplying laboratory pilot through to full scale production equipment, we aim to remove the concern of how to scale up to a full production process. When selecting the right mixer it is useful to consider the following checklist:

- 1 Does the mixer contain solvent or other flammable solutions?
- 2 Does the mixer need to be washed down regularly?
- 3 Is the application
 - a) liquid/liquid
 - b) liquid/solid
 - c) liquid/paste
 - d) liquid/powder etc.
- d) What is the distribution ratio?
- 4 What is the product viscosity before, during and after mixing?
- 5 Do you expect to dissolve, disperse, emulsify, wet mill and/or homogenise your product? Or do you expect to gently mix, turn over or rouse your product to maintain

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an even temperature within the vessel, maintain a product in suspension or prevent separation?

- 6 Do you need to heat or cool your product or is there a temperature range you require to work within? Do you require to work under pressure or vacuum?
- 7 Do you require to continuously clean the walls of your vessel with a scrape mixing action to prevent product build-up on the wall of the vessel, which could cause contamination and reduce the efficiency of the mixer?
- 8 Do you have a budget allocated to purchase your preferred mixing system?

These are but a few of the points to consider when selecting a mixer system to suit an application.

Rigal Bennett Group is well positioned to help you solve your mixer requirements and is keen to offer you the right solution from our range of new mixers with mixing tanks to suit your application. Rigal Bennett group is also well positioned to offer a combination of new and used solutions where price and/or delivery becomes an issue to prove a process in the market place or to get a new product out of the laboratory into a process form.

Used equipment can be a cheaper option with the possibility that some second-hand machinery can be hired on a monthly basis. One must consider that to manufacture new machinery will take months whereas to supply used machinery can be only a matter of weeks. By purchasing a combination of new with used equipment you can expect to make savings of between 30-50% of the all-new purchase price. This can be the difference between the project being given the 'go ahead' or not, and not being given approval as the financial resources are not available.

We would welcome your enquiries and look forward to discussing your expected applications