

Laboratory Mixers

RW20 Digital Stirrer

E.J.Payne Ltd has for many years supplied the IKA RW20 overhead stirrer as a standard Laboratory stirrer. This instrument has been a best seller for years, and is still the best value for money stirrer in its range.

Built in a sturdy, slimline casing the RW20 Digital is suitable for stirring jobs up to 20 litres (H₂O) with a constant power drive. The motor has two speed ranges for universal use from 60 to 2000 rpm, and it is fitted with a hollow chuck to allow stirring shafts of 1-10mm diameter to be used.

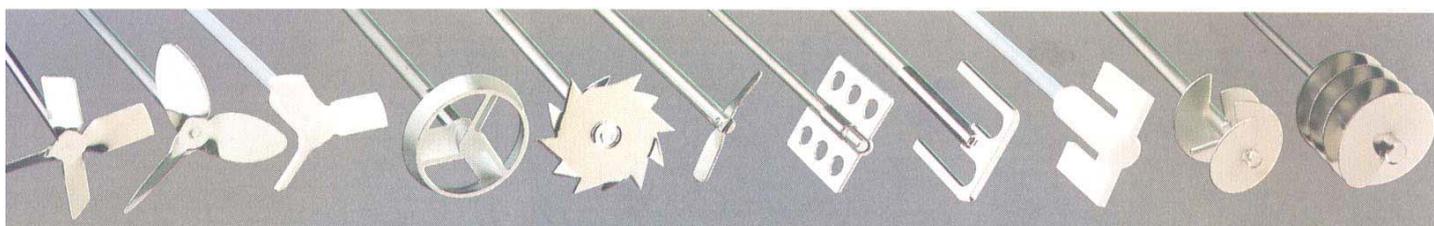
The new RW20 digital (pictured right) is fitted with an LED speed display for greater accuracy and reproducibility, integrated into the housing.



Specifications	RW20 Digital
Viscosity Range	<10,000
Speed Range I	60-500
Speed Range II	240-2000
Speed Display	LED
Max torque at stirring shaft –Ncm	150
Max torque at stirring shaft at 60 1/min (overload) - Ncm	300
Permissible ON time (%)	100
Chuck Range (mm)	0.5-10
Hollow shaft internal Ø	10.5
Motor Power (W) input/ output	70 / 35
IP Protection Class	IP 20
Dinensions (WxHxD)mm	88 x 294 x 212
Weight (kg)	3.1
Protection Class	IP 20
Power supply	220/240V, 50/60Hz

Product Codes

Stirrer Motor RW20 Digital	3593000
Plate Stand R1822 (800mm upright)	MT468-20
Bosshead R182	SR753-09
Propellor blade 70x70mm R1375	SR753-14
Propellor 4-blade 100mm R1345	SR753-17
Dissolving rotor 80mm dia. R1301	SR753-20



R1342 1345 R2302, 2035	R1381— R1388	R1389 (PTFE)	R1311- R1313	R1300— R1303	R1352— R1355	R1373— 1376 R22311	R1330— R1333	R1332 (PTFE)	R135— R1336	R1393
---------------------------------	-----------------	-----------------	-----------------	-----------------	-----------------	--------------------------	-----------------	-----------------	----------------	-------

HIGH SHEAR MIXERS

High Shear Laboratory Mixers

The Silverson L5 series of laboratory mixers are ideal for routine laboratory work, reassert & development, Quality Assurance analysis and small—scale production in all industries.

The L5 series is suitable for the widest range of applications- mixing, emulsifying, homogenising, disintegrating, dissolving - with an efficiency and flexibility unmatched by other machines. With capacities from 1ml up to 12 litres and the ability to mix inline with flow rates up to 20 litres per minute, it offers excellent reproducibility when scaling up to full scale production and provides an accurate and easy means of forecasting the performance of larger Silverson machines under full scale working conditions.

The multifunctional L5 series features touch screen control with digital tachometer, programmable integral timer and amperage display. This level of instrumentation is invaluable for applications where process validation and reproducibility are required.

Motor Unit - Robust two piece casing designed for cool, quiet and continuous operation. Motor - 250W (0.33hp) 220 volt single phase (110 volt optional), 50/60Hz. Nominal maximum speed 8000rpm (6000rpm under full load). Speed control - Infinitely variable electronic speed control with integral on/off switch. Electric rise and fall bench stand - The mixing unit may be effortlessly raised and lowered using the push button control on the motor unit. Construction - All wetted parts are in grade 316 stainless steel with the exception of the bush which may be bronze alloy or PTFE.

The L5 series is finished in a tough, easy to clean, non-chip white nylon coating . The flat base is covered by a non-slip mat which is resistant to most solvents.



L5 Series options:

The multifunctional **L5M** Model (pictured above) features touch screen control with digital tachometer, programmable integral timer and amperage display, all accessed via the Mode button.

L5T Mixer Identical to the model L5M but supplied with tachometer only.

L5M-A Mixer Identical to the model L5M but supplied uprated motor 750W (1hp), max speed 6,000rpm. *(All models are supplied with General Purpose Disintegrating Head, Square Hole High Shear Screen, Standard Emulsor Screen and Axial Flow Head).*



L2/Air (compressed air)

Designed for use in ATEX Zoned/Flameproof areas, the L2/AIR is an efficient, light weight machine powered by an intrinsically safe air motor and will accept any L5 series mixing assembly. The L2/AIR Motor unit is powered by a 0.25hp, 6000 rpm variable speed motor which requires 60 psi (4.2 kg/cm²) compressed-air supply and consumes 8 cfm (226 litres) at full speed. Fitted with a speed regulator and muffler. Complete with air regulator and gauge, water filter and lubricator, supplied with a manually adjustable bench stand. It's capacity is from 1ml up to 12 litres.

The advantages of Silverson's high shear rotor/stator laboratory mixer over simple conventional stirrers or agitators stem from the multistage mixing/shearing action as materials are drawn through the specially designed Silverson workhead.

