

FUJI ELECTRIC HANDLING EQUIPMENT

The recent labor shortage combined with the high level of economic growth have increased the importance of labor savings in all types of industry. Fuji Electric has developed an all-electric handling equipment as one means of saving labor.

When the equipment was developed, the movements of the human hand were analyzed and the most essential, such as grasping, pushing, wrist rotation, wrist shaking and wrist sliding, were incorporated into the series. This equipment will no doubt play a major role in the fields of automation and man power reduction.

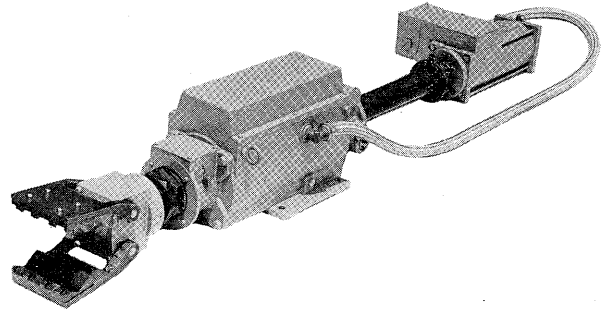
Features

1) Electrically driven

Since the equipment is all-electric, the only requirement is an electric power supply. Thus no space is taken up by piping and installation is easy, in addition to which oil and air leak worries are

eliminated. Reliability is improved and maintenance simplified.

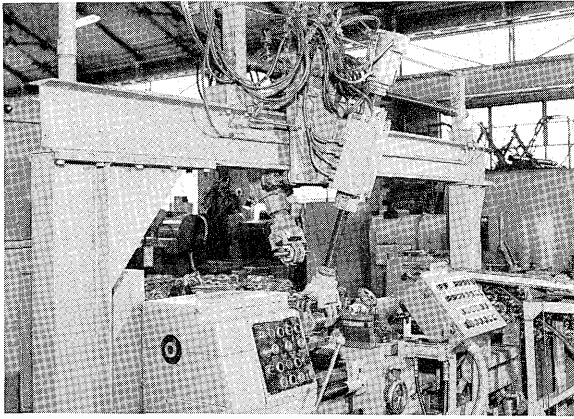
2) Characteristics are not effected by changes in temperature.



A outer view of Fuji Electric Handling Equipment
Type WRHFB (8 kg)

Specifications

Series	Type	Work piece		Stroke (mm)	Synchronous speed (m/min)	Weight of hand (kg)	Finger		
		Weight (kg)	Grasping dia. (mmφ)				Shifting angle	Sliding stroke (mm)	Twisting angle (max)
Single series	WRHFB	4	20~70	330	15/18				
	WRHFB	4	20~70	500	15/18				
	WRHFB	8	30~55	330	15/18				
	WRHFB	8	30~55	500	15/18				
	WRHFB	20	40~80	350	15/18				
	WRHFB	20	40~80	600	15/18				
Twin series	WRKTB	8	30~55	330	15/18				
	WRKTB	8	30~55	500	15/18				
	WRKTB	20	40~80	350	15/18				
	WRKTB	20	40~80	600	15/18				
Finger shift series	WRKHB	4	20~40	330	15/18		30°		
	WRKHB	4	20~40	500	15/18		30°		
Finger shift and slide series	WRKSB	4	20~40	330	15/18	65	30°	40	
	WRKSB	4	20~40	500	15/18	65	30°	40	
Finger twist series	WRKGB	4	20~70	330	15/18				180°
	WRKGB	4	20~70	500	15/18				180°
	WRKGB	8	30~55	330	15/18				180°
	WRKGB	8	30~55	500	15/18				180°
	WRKGB	20	40~80	350	15/18				180°
	WRKGB	20	40~80	600	15/18				180°



Fuji Electric Handling Equipment combined
with a machine tool

3) Easy to use construction

A limit switch detects the completion of each movement, thus construction of a completely automated system is easy. The time required to make adjustments in changing the workpiece is also very short.

4) Reproduction of the setting position is extremely high.

5) Extremely safe

In the event operation is interrupted due to a power failure etc., the equipment stops without dropping the workpiece.

6) Both compact and lightweight

Components and Specifications

The Fuji Electric Handling Equipment is produced in 5 series: the single series, twin series, figure shift series, finger shift and slide series and finger twist series, in total of 20 types. You may select the type most suitable meeting the requirement.

Standard ratings

Power supply :	3-phase
	$200/\frac{200}{220} \text{ V } 50/60 \text{ Hz}$
Ambient temperature range:	-10 to +40°C
Finish :	Munsell N5

Applications

This unit is a vitally important element among labor saving devices and can be employed for a wide range of applications depending upon the type selected for the particular job.