

- Over **30** YEARS of Supplying Southern Africa -

BirCraft

GEARED MOTORS - LINEAR ACTUATORS & CONTROLLERS



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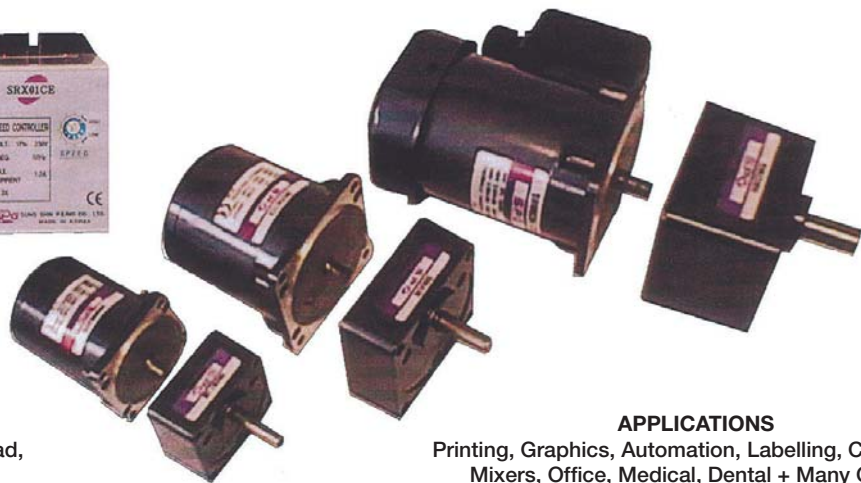
SHORT FORM SELECTION Compact Gear Motors

The **SMALLEST INDUSTRIAL GEAR** motors and **BRAKE** motors
 Can replace **PANASONIC & ORIENTAL** Brands

Motor Types Available	Standard Motor 1 & 3 Phase	Reversible Motor	Variable Speed AC Motor	Variable Speed DC Motor	Brushless Motor NEW!	Mechanical Brake Motor	Electrical Brake Motor
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Speed Controllers



OPTIONS

Terminal Box, Heavy Duty Gear Head, "CE" Mark

APPLICATIONS

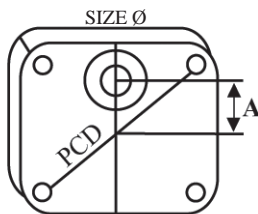
Printing, Graphics, Automation, Labelling, Conveyors, Mixers, Office, Medical, Dental + Many Others

RATIOS up to 20,000 / 1

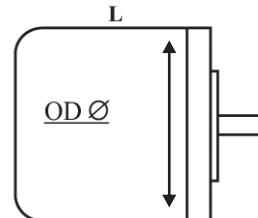
Size Frame Ø mm	60	70	80	90	90	90	90	90	90	90	1300 Rpm
Wattage	6/15	15	25/40	40	60	90	120	150	180		
Torque Nm	0.05	0.13	0.22	0.33	0.46	0.69	0.75	0.95	1.4		
Standard Voltage	AC = 110 / 220v 1~ Phase, 220 / 380 vac 3~ Phase 50/60 Hz. 1300 rpm										
Permanent Magnet	DC = (12v, 24v = 1500 rpm, 90v & 180v available on request at 3000 rpm)										

TORQUE CALCULATION = MOTOR (Nm) x GEAR RATIO x GEAR EFFICIENCY (NB. T2MAX)

Gear Ratio	3	5	7.5	10	15	20	30	40	50	75	100	150	200	Decimal Unit x 10
Output Rpm at 1300 Rpm	400	240	160	120	80	60	40	30	24	16	12	8	6	
6 ~40 watt Eff	81%			73%			66%							
60 ~ 200 watt Eff.	81%			73%			66%			59%				
See (T2mx) =	Limited by the Maximum Permissible Torque of Gearbox													



GEAR BOX



MOTOR

T2max	Size Ø	Length	PCD Ø	Spigot	Shaft Ø	A	Motor Length	OD Ø
3 Nm	60	30 / 40	70	24	8 x 29	10	75	60
5 Nm	70	42	82	31	10 x 29	15	80	70
8 Nm	80	32 / 42	94	34	10 x 29	15	85	80
9.8 Nm	A 90	42 / 60	103	36	12 x 29	18	105	90
19.6 Nm	B 90	60 / 65	104	36	15 x 30	18	122	90

(SPECS FOR GUIDELINES ONLY)

