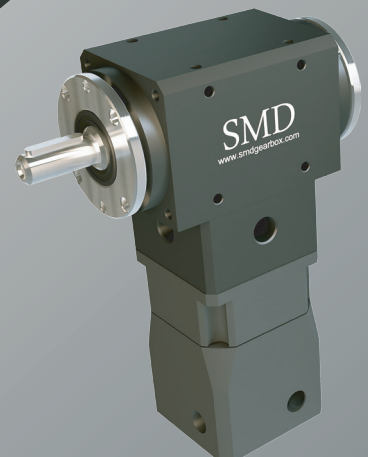
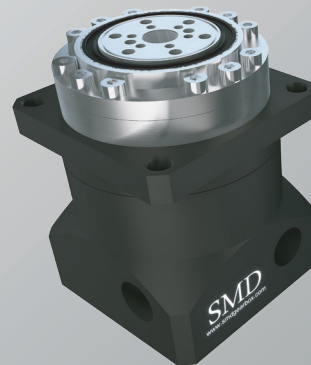
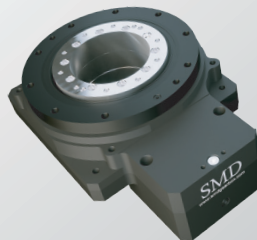


SMD GEARBOX



SMD

BRILLIANTLY AGILE!



HIGH PRECISION SERVO GEARBOX

SNP SERIES - Planetary Gearbox With Shaft End



SNP

060

Model
Name

Square
Profile

L1

Stage
L1- Single
L2- 2 Stage

005

Ratio
1:3~1:100

S

B

A

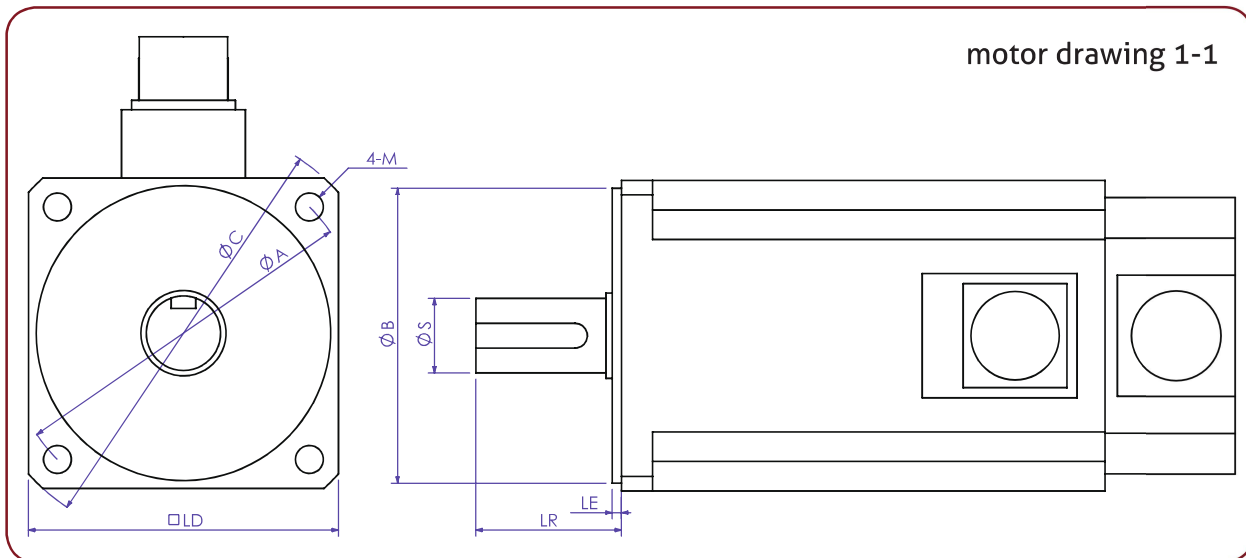
Refer Motor
Drawing 1-1

SNP 040
SNP 060
SNP 090

42X42mm
60X60mm
92X92mm

SNP 120
SNP 150

115X115mm
142X142mm



Feature

- » High rating torque and low inertia.
- » Suitable for Combination with any kind of motors.
- » Total enclosed design. Easy installing and combination.
- » The design of long shaft is suitable to driven by rack and simplify the mechanism.

Specification Chart

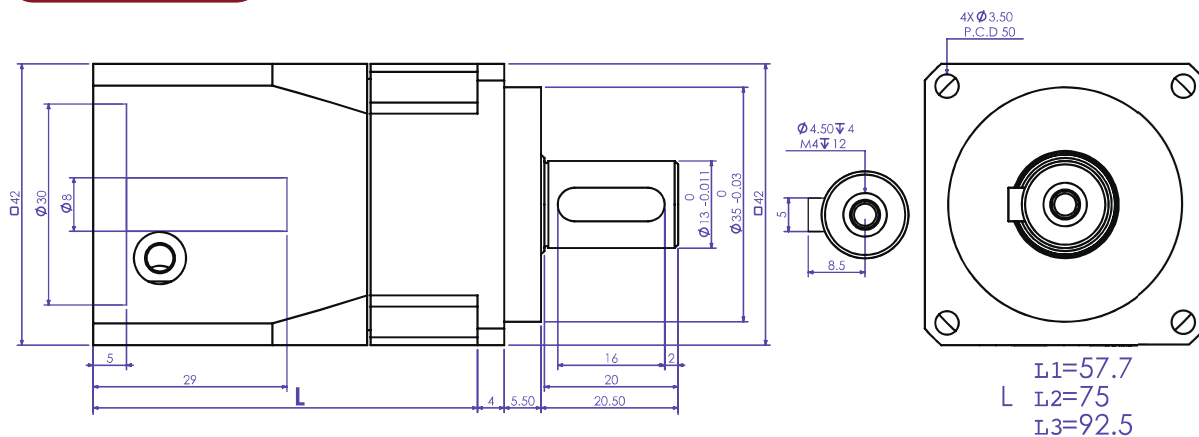
Performances	Unit	Stages	Ratio	SNP40	SNP60	SNP90	SNP120	SNP150
Nominal Output torque	Kgf*m/Nm	1	3	N/A	3.1/ 30.38	12.9/ 126	26/ 254	51/ 500
			4	1.6/ 15.68	4.2/41.16	13.2/ 129	27/ 264	53/519
			5	1.7/16.66	4.3/42.14	14.4/141	30/294	54/529
			7	1.5/ 14.7	4/39.2	13.4/131	24/235	50/490
			9	N/A	N/A	N/A	25/245	N/A
			10	1.3/ 12.74	3.8/37.24	12.6/123	19/186	42/411
		2	9	N/A	3.1/ 30.38	12.9/ 126	N/A	51/ 500
			12	1.4/ 13.72	4.2/41.16	12.9/ 126	26/ 254	51/ 500
			15	1.7/16.66	4.3/42.14	14.4/141	26/ 254	51/ 500
			16	1.6/ 15.68	4.2/41.16	13.2/ 129	27/ 264	53/519
			20	1.6/ 15.68	4.2/41.16	14.4/141	27/ 264	53/519
			21	1.5/ 14.7	3.1/ 30.38	12.9/ 126	26/ 254	51/ 500
			25	1.7/16.66	4.3/42.14	14.4/141	30/294	54/529
			28	1.6/ 15.68	4.2/41.16	13.2/ 129	27/ 264	53/519
			30	1.3/ 12.74	3.1/ 30.38	12.9/ 126	30/294	51/ 500
			35	1.7/16.66	4.3/42.14	14.4/141	30/294	54/529
			40	1.6/ 15.68	4.2/41.16	13.2/ 129	27/ 264	53/519
			49	1.5/ 14.7	4/39.2	13.4/131	24/235	50/490
			50	1.7/16.66	4.3/42.14	14.4/141	30/294	54/529
			70	1.5/ 14.7	4/39.2	13.4/131	24/235	50/490
			100	1.3/ 12.74	3.8/37.24	12.6/123	19/186	42/411
Max Acceleration Torque	Kgf*m/Nm	1,2	3~100	3 times Nominal Output Torque				
Emergency Stop Torque (2)	Kgf*m/Nm	1,2	3~100	3.4 times Nominal Output Torque				
Permissible Input Speed (P1)(3)	rpm	1,2	3~100	1000	1000	1000	1000	1000
Reduced Backlash (P1)	Arc-min	1	3~10	1	1	1	1	1
		2	9~100	≤1	≤1	≤1	≤1	≤1
Permissible Input Speed (3)	rpm	1,2	3~100	3000	3000	3000	3000	3000
Standard Backlash	Arc-min	1	3~10	15	5	5	6	6
		2	9~100	30	10	9	11	11
Max. radial force (mid shaft)	Kgf/N	1,2	3~100	70/ 686	110/ 1078	350/ 3459	465/ 4557	626/ 6134
Max. axial force	Kgf/N	1,2	3~100	35/ 343	55/ 539	175/ 1729	232/ 2278	313/ 3067
Allowable Input Shaft Diameter	mm	1,2	3~10	5-8	6.35-14	11-24	19-35	20-38
Rated life (4)	hr	1,2	3~100	10,000 At permissible input speed and nominal output torque.				
Operating Temperature Range		1,2	3~100	-10°C to +40°C ambient --90°C max operating case temperature				
Sound level	dB (A)	1	3~10	62	62	65	65	70
		2	9~100	62	62	65	65	70
Lubrication	-	1,2	3~100	Lubricated for life (Synthetic Grease)				
Protection class	-	1,2	3~100	IP54				
Gearhead Inertia	Kg*cm2	1	3~10	0.049	0.127	1.247	2.274	10.19
		2	9~100	0.049	0.127	1.247	2.274	10.19
Efficiency at full load	%	1,2	3~100	95 % for 1 stage and 90 % for 2 stage				
Weight	Kg	1	3~10	0.4	1.1	3.3	6.8	13.8
		2	9~100	0.5	1.3	4.5	8.3	14
No-load running torque	Kgf*m/Nm	1	3~10	0.51/0.05	3/ 0.3	6.1/0.6	12/1.2	14.8/1.4
		2	9~100	0.51/0.05	3/0.3	6.1/0.6	12/1.2	14.8/1.4

» Please contact SMD for 3 stage ratios.

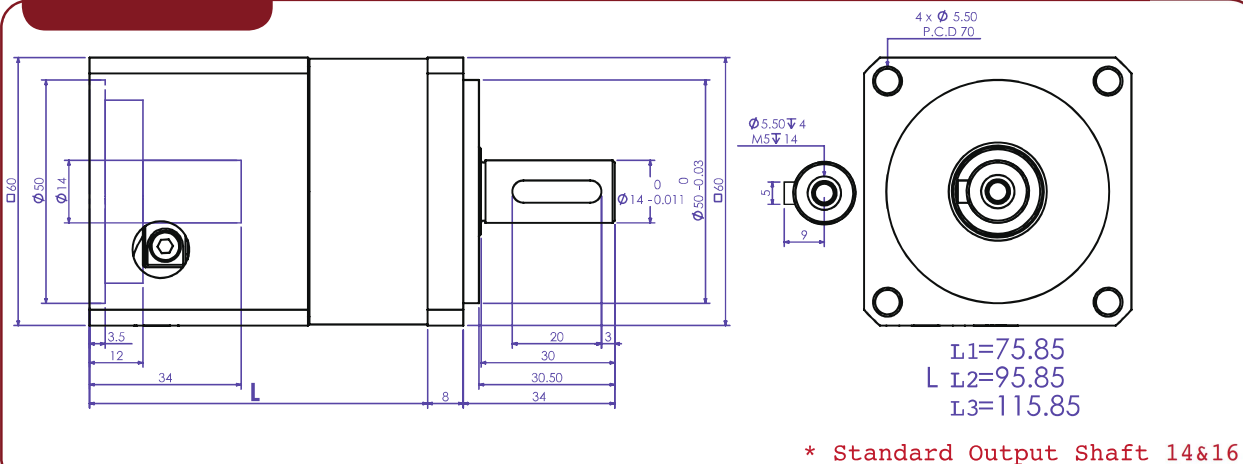
» For input speeds above 3000 rpm, please consult us, with application details.

Mechanical Dimensions

SNP40

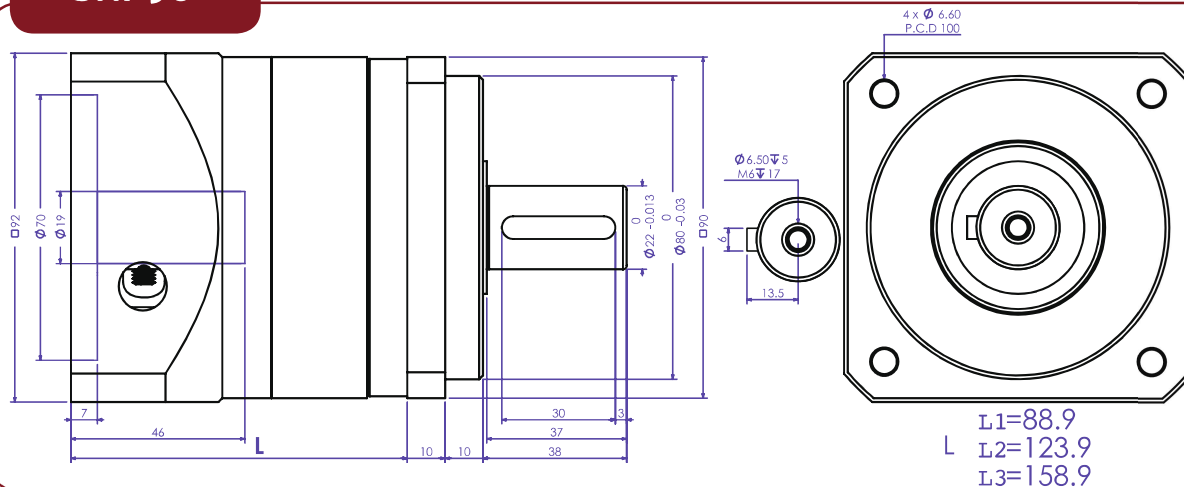


SNP60



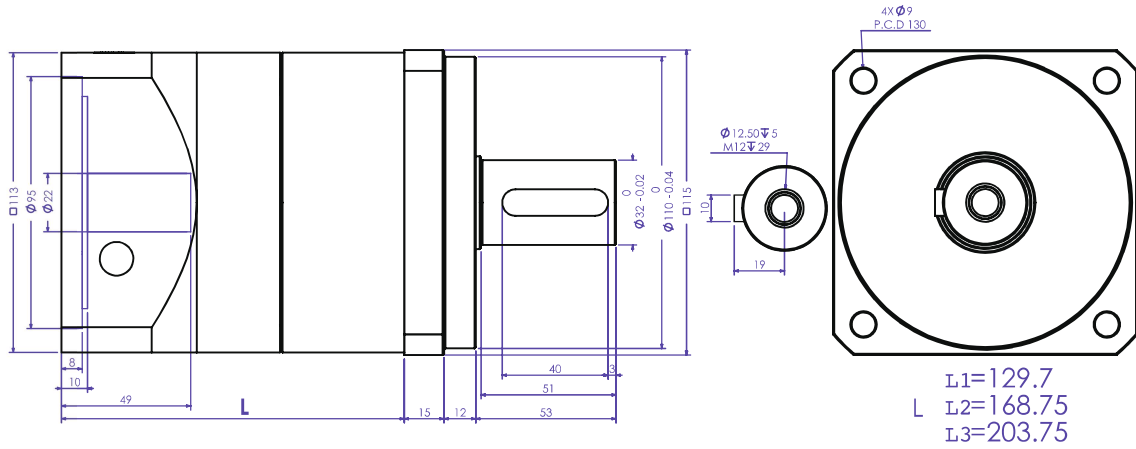
* Standard Output Shaft 14&16

SNP90

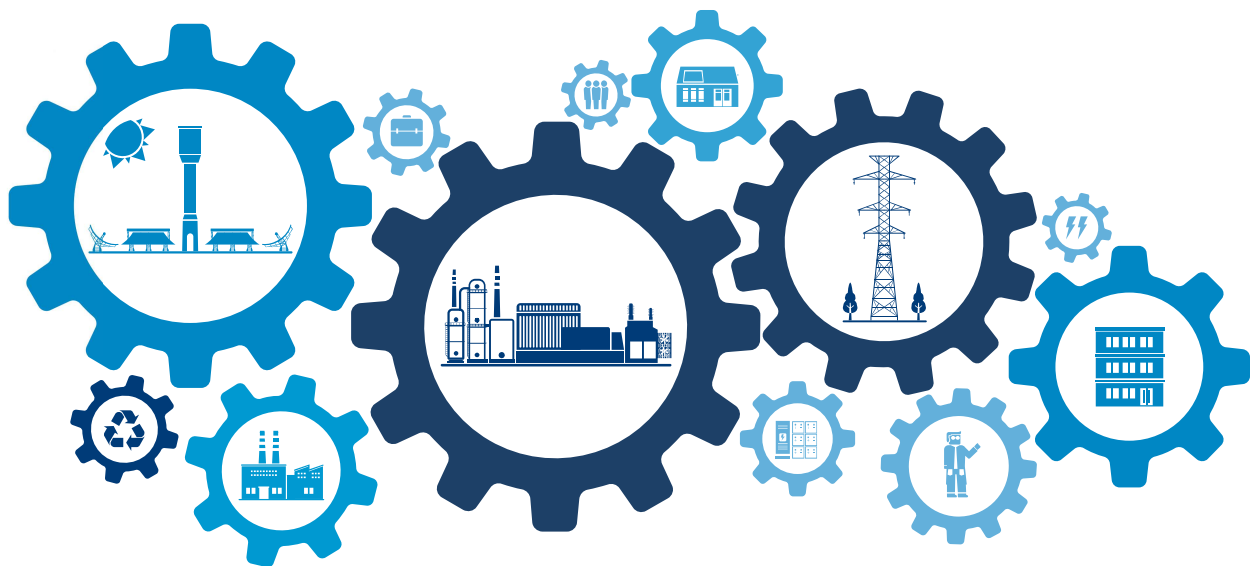
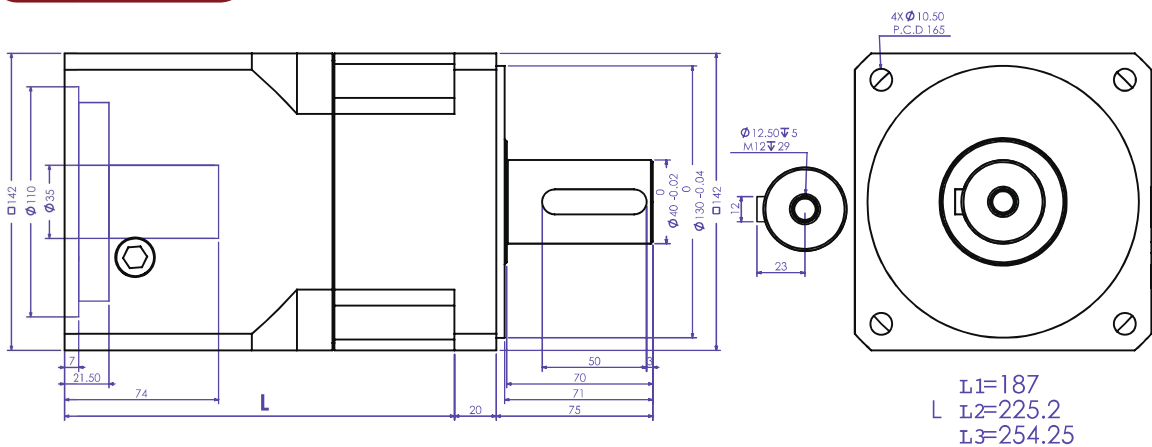


Mechanical Dimensions

SNP120



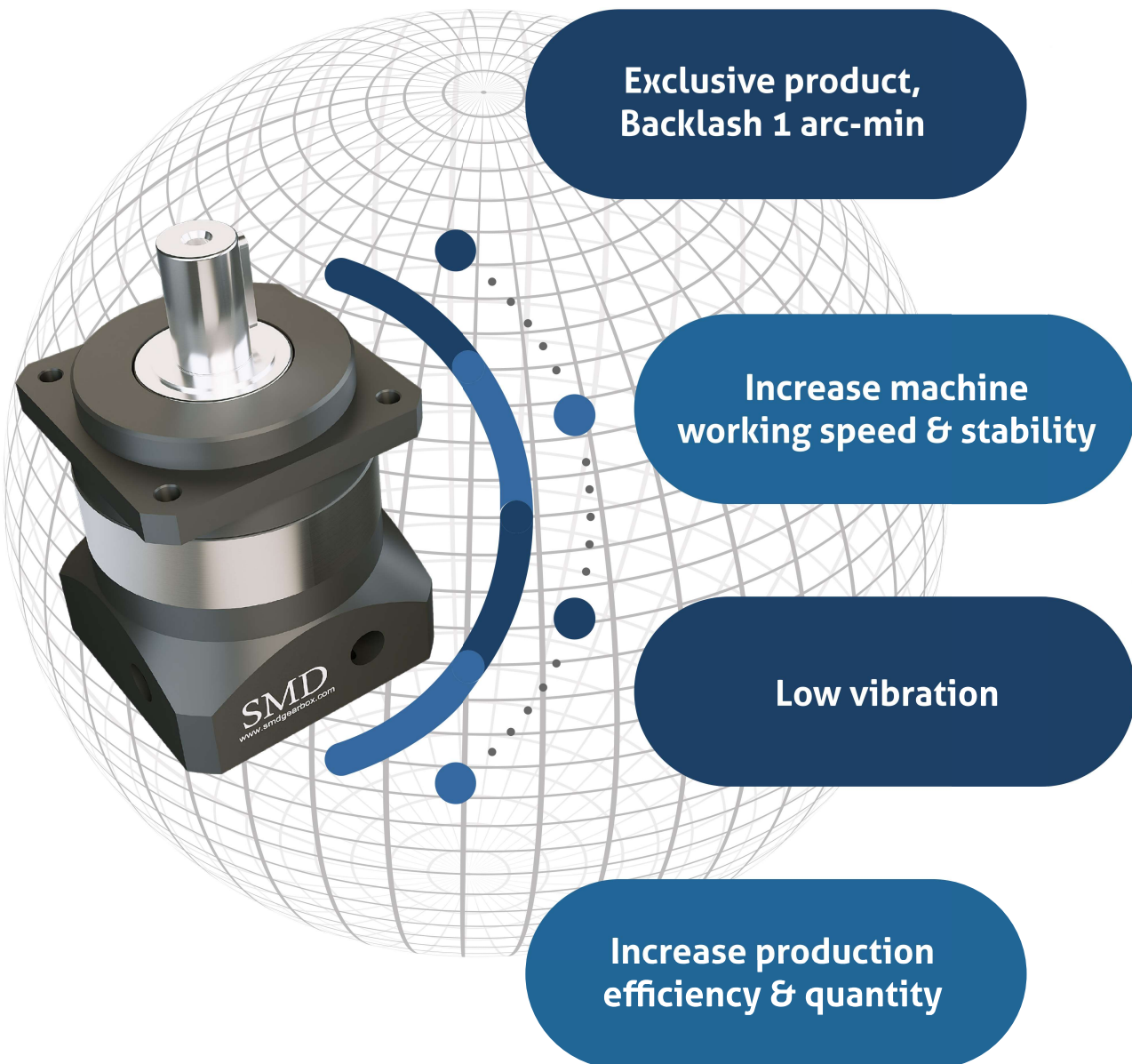
SNP150



Introducing SMD Planetary Gearbox P1 Type

SMD Planetary Gearbox P1 Type

4 Reasons To Increase 50% Production



SMD Planetary Gearbox P1 Type



SMD Right Angle Gearbox

4 Reasons to Increase 50% Production



1

EXCLUSIVE PRODUCT,
BACKLASH 1 ACR-MIN



2

INCREASES MACHINE
WORKING SPEED & STABILITY



3

LOW VIBRATION



4

INCREASE PRODUCTION
EFFICIENCY & QUANTITY



GET IN TOUCH!

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