

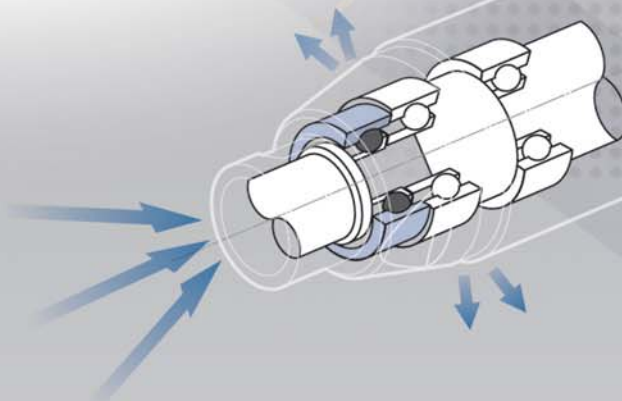
# Air Micro Grinders

There is a glaring difference in axial runout. Our Air Micro Grinders feature optimum rotation speeds to match the specific bits being used, leading to more efficient grinding and cutting work marked by secure, almost suction-like bit-to-surface contact and less jumping.



## A Double-Bearing System

Axial runout is suppressed by the use of precision motor engineering and our double-bearing system. Moreover, the SAR type employs angular bearings to handle the high loads of heavy work.



# Air Micro Grinders

## Air Micro Grinders (For Precision Grinding)

Collet chuck:  $\phi 3$ mm



No. **GT-MG75S**

Collet chuck:  $\phi 3$ mm



No. **GT-MG75SAR (Soft Grip)**

OP Collet chuck ( $\phi 2.35$ mm,  $\phi 1/8$ " )



Collet chuck:  $\phi 3$ mm



No. **GT-MG55SR (Ergo Grip)**

Collet chuck:  $\phi 3$ mm



No. **GT-MG55SAR (Soft Grip)**

OP Collet chuck ( $\phi 2.35$ mm,  $\phi 1/8$ " )



Collet chuck:  $\phi 3$ mm



No. **GT-MG55S/MG55SB (Reverse turning type)**

Collet chuck:  $\phi 6$ mm



No. **GT-MG35SAR (Soft Grip)**

OP Collet chuck ( $\phi 3$ mm,  $\phi 1/4$ ",  $\phi 1/8$ " )



Collet chuck:  $\phi 6$ mm



No. **GT-MG25S**

OP Collet chuck ( $\phi 3$ mm,  $\phi 1/4$ ",  $\phi 1/8$ " )

Collet chuck:  $\phi 3$ mm



No. **GT-MG35-12CC (Soft Grip)**

OP Collet chuck ( $\phi 2.35$ mm,  $\phi 1/8$ " )



OP Corner attachment

No. **GT-MG25-12CF** (Smooth grinding / polishing at 25,000 rpm)  
No. **GT-MG25-12CC** (Precision grinding at 25,000 rpm)

Model No.	No Load Speed (rpm)	Air Consumption (m <sup>3</sup> /min)	Hose Coupling	Air Hose Inner Dia. (mm)	Overall Length (mm)	Frame Dia. (mm)	Weight (g)	Collet Chuck ( $\phi$ mm)	Accessories		
									Chuck handle	Spanner	Oil
GT-MG75S	75,000	0.16	Rc1/4	6.35	170	18.5	190	3	●	H9	●
GT-MG75SAR	75,000	0.16	Rc1/4	6.35	156	20.9	180	3	-	H5,H9	●
GT-MG55S	55,000	0.16	Rc1/4	6.35	163	17.5	180	3	●	H9	●
GT-MG55SB	55,000	0.16	Rc1/4	6.35	163	17.5	180	3	●	H9	●
GT-MG55SR	55,000	0.16	Rc1/4	6.35	180	20.0	220	3	●	H9	●
GT-MG55SAR	55,000	0.245	Rc1/4	6.35	178	24.5	260	3	-	H5,H9	●
GT-MG35SAR	35,000	0.285	Rc1/4	6.35	182	29.5	435	6	-	H11,H13	●
GT-MG25S	25,000	0.175	Rc1/4	6.35	198	30.0	600	6	-	H11,H13	●
GT-MG35-12CC	35,000	0.25	Rc1/4	6.35	183	24.5	305	3	-	H5,H9	●
GT-MG35-12CR	35,000	0.16	Rc1/4	6.35	151	20.0	160	3	-	H5,H9	●

\*Working air pressure...0.6MPa \*Overall length...Accessories and exhaust hose parts not included. \*Weight...Accessories not included.

\*In the main body, a 1.5m air intake hose, exhaust hose and a hose joint are attached.

\*With regard to GT-MG55S, MG55SR, MG75S and a 2.35 mm collet chuck is also prepared.

OP Can be replaced by user.

OP Should be replaced at our factory.

# Air Micro Grinders

## Air Micro Grinders (Surface Grinding/ Polishing)



No. **GT-MG25-12CF (Soft Grip)**

**OP** Corner attachment  
 No. **GT-MG35-12CC** (Precision grinding at 35,000 rpm)  
 No. **GT-MG25-12CC** (Precision grinding at 25,000 rpm)



No. **GT-MG25-9CF (Soft Grip)**

**OP** Corner attachment  
 No. **GT-MG25-9CC** (Precision grinding at 25,000 rpm)  
 No. **GT-MG35-9CC** (Precision grinding at 35,000 rpm)

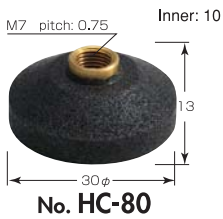
Model No.	No Load Speed (rpm)	Air Consumption (m <sup>3</sup> /min)	Hose Coupling	Air Hose Inner Dia. (mm)	Overall Length (mm)	Frame Dia. (mm)	Weight (g)	Tip tool Installation Part	Accessories
<b>GT-MG25-12CF</b>	25,000	0.25	Rc1/4	6.35	181	24.5	315	M7	•Chuck handle •Oil •Rubber holder •PO-ring (#60•100•150•240 …3 pcs. each #400•600 …1 pc. each) •Lap ring (#600) •Headcup (#80)
<b>GT-MG25-9CF</b>	25,000	0.25	Rc1/4	6.35	173	24.5	310	M7	
<b>GT-MG25-12CR</b>	25,000	0.16	Rc1/4	6.35	160	20.0	200	M7	
<b>GT-MG25-9CR</b>	25,000	0.16	Rc1/4	6.35	143	20.0	200	M7	

•Working air pressure…0.6MPa •Overall length…Accessories and exhaust hose parts not included. •Weight…Accessories not included.  
 •In the main body, a 1.5m air intake hose, exhaust hose and a hose joint are attached.

## Tip Tools for Smooth Surface Grinding and Polishing (For GT-MG25-12CF, 9CF, 12CR, 9CR)

To meet work objectives from the removal of cutter marks in the manufacture of metal molding to the finishing of mirror surfaces.

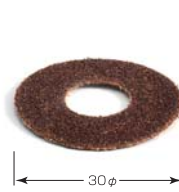
Headcup Grit #80



Rubber Holder



PO-Ring



Model No.	Grit #
<b>PR-60</b>	60
<b>PR-100</b>	100
<b>PR-150</b>	150
<b>PR-240</b>	240
<b>PR-400</b>	400
<b>PR-600</b>	600

Lap Ring



Model No.	Grit #
<b>LP-320</b>	320
<b>LP-400</b>	400
<b>LP-600</b>	600
<b>LP-800</b>	800

Color identification

## ONE POINT Corner Attachment Replacement Heads

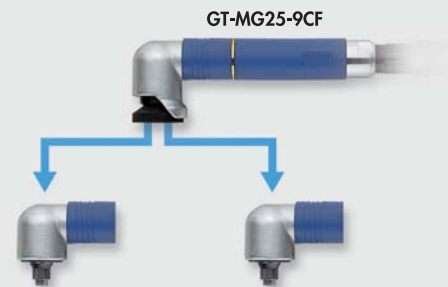
A selection of corner attachments with differing head shapes and gear ratios is available. VESSEL will replace the micro grinder heads in accordance with your needs.



**GT-MG25-12CF**  
 ●No Load Speed 25,000rpm  
 ●Tip tool installation part: M7

**GT-MG25-12CC**  
 ●No Load Speed 25,000rpm  
 ●Collet chuck: φ3mm

**GT-MG35-12CC**  
 ●No Load Speed 35,000rpm  
 ●Collet chuck: φ3mm



**GT-MG25-9CC**  
 ●No Load Speed 25,000rpm  
 ●Collet chuck: φ3mm

**GT-MG35-9CC**  
 ●No Load Speed 35,000rpm  
 ●Collet chuck: φ3mm