



# AHB

**TOOLING & MACHINERY**

**COMPLETE METALWORKING SOLUTIONS**

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**COMMAND**  
**PRODIGY**

CNC Cleaning Fans



**New Addition for 2021**

**Prodigy P2**

# Prodigy CNC Cleaning Fans

▶ Command's Prodigy CNC cleaning fans are the perfect complimentary tools for all CNC users, both big and small, short run or production. Prodigy cleaning fans have been engineered to provide you the best results possible when it comes to removing machined material chips, coolant, and other debris from your workpiece or fixture. The Prodigy cleaning fans have a cylindrical shank that can be mounted into your collet chuck or endmill holder. Once your new Prodigy fan is installed into your tool holder and mounted in the machine spindle, use your machine control to do the cleaning unattended between machining cycles—eliminating chip accumulation without compromising labor and machine time.

## Steel Shank

+ The mounting cylindrical shank is made out of high quality U.S. 4140 steel.

## Through Coolant

+ Through coolant capable, wash your part prior fan use.

## Durable Fan Blades

+ All fan blades are manufactured utilizing glass fiber reinforced nylon for durability and abrasion resistance.

## Economical

+ Innovative and affordable automatic cleaning solution for all your CNC machining centers.

## Easy Replacement

+ Prodigy cleaning fans are designed for easy disassembly—allowing quick replacement.

## Weldon-Flat

+ The shank is manufactured with a Weldon-Flat which allows the utilization of an endmill holder.

Part Number	Product Code	Shank Size	Operating Speed	Tool Length	Ø With Open Blades
FS04-0254	P1	0.750**	5,000 - 8,000 RPM	5.5" (142mm)	10.0" (254mm)
FSM4-0254	P1	20mm*	5,000 - 8,000 RPM	5.5" (142mm)	10.0" (254mm)
<b>New ▶</b> FS04-0160	P2	0.750**	6,000 - 12,000 RPM	2.5" (64mm)	6.3" (160mm)
<b>New ▶</b> FSM4-0160	P2	20mm*	6,000 - 12,000 RPM	2.5" (64mm)	6.3" (160mm)

\*Additional shank sizes available on request.



800.328.2197 // COMMANDTOOL.COM



# Operating Guide

- ▶ The Prodigy CNC cleaning fans are safe and easy to operate within the recommended RPM range in all CNC machining centers.

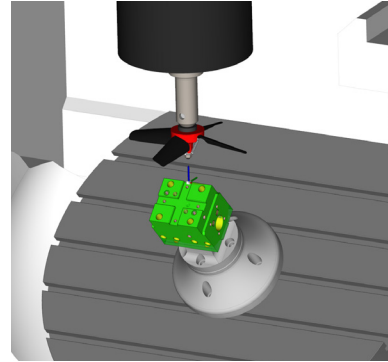
## Step 1: Installation

- + Mount the Prodigy cleaning fan into your tool holder of choice and create length offset as needed. Make sure tool holder is rated for proper RPM.



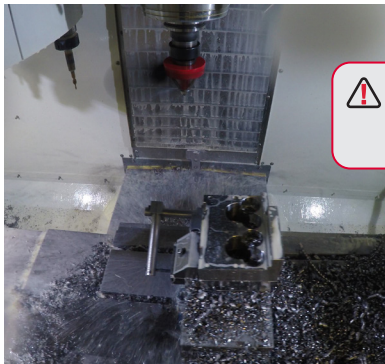
## Step 2: Programming

- + Based on your part geometry, program the cleaning fan similar to that of a facemill.



## Step 3: Operation

- + As always, practice safe and good machining practices. Failure to do so could result in premature failure of the cleaning fan.



**WARNING**  
USE IN ENCLOSED  
MACHINE ONLY

# Replacement Kits

- ▶ Command's Prodigy CNC cleaning fan replacement kits for P1 and P2 are available for order containing the necessary spare parts to replace any part of the Prodigy.

Part Number	Description	Product Kit
FKIT-0001	P1 Blade Kit*; 1-piece	P1
FKIT-0002	P1 Blade Kit*; 4-pieces	P1
FKIT-0003	Hardware Assembly Kit; Inch Fan	P1/P2
FKIT-0004	Plastic Hub Kit	P1/P2
FKIT-0005	Hardware Assembly Kit; Metric Fan	P1/P2
FKIT-0006	P2 Blade Kit*; 1-piece	P2
FKIT-0007	P2 Blade Kit*; 4-pieces	P2

\*Replacement Blade Kits come with spring holding pin and positioning pin preassembled.



Blade Kits:  
FKIT-0001 & FKIT-0002  
[1-fan blade shown]



Plastic Hub Kit:  
FKIT-0004  
[Includes: 1-black nose hub,  
1-red base hub]



Blade Kits:  
FKIT-0006 & FKIT-0007  
[1-fan blade shown]



Hardware Assembly Kits:  
FKIT-0003 & FKIT-0005  
[Includes: 1-hook washer, 1-step washer,  
1-lock-nut, 4-springs]



## Command Tooling Systems

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Ramsey, MN 55303 USA



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