MARKFORGED APPLICATION SPOTLIGHT

LATHE BAR PULLER

Markforged

EASY AUTOMATION — bmi CAD uses Markforged to print feed stock automation tools for a CNC lathe.

TURRET MOUNTED — Each puller is turret mounted and uses friction to extend heavy metal feedstock.

CUSTOMIZABLE — Onyx and Fiberglass allow bmi CAD to produce highly customized in-house pullers.

MASSIVE SAVINGS — bmi CAD prints bar pullers **75x cheaper** and **18x faster** with Markforged technology.

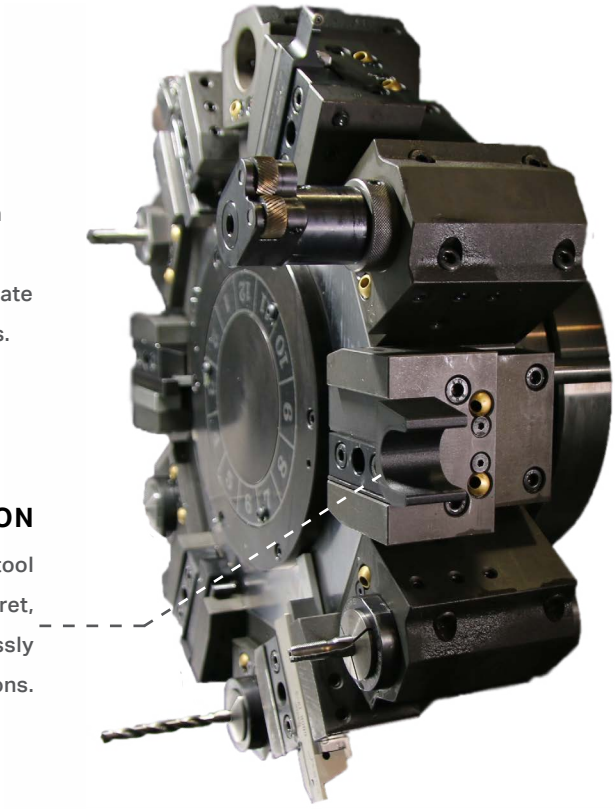
The Printed Part

A FLEET OF FIXTURES

Because bar pullers are so affordable to print, bmi CAD can print a wide variety of different puller geometries to accommodate different stock sizes and shapes.

SEAMLESS INTEGRATION

Each bar puller bolts onto a tool holder on the CNC lathe's turret, allowing bmi CAD to seamlessly automate their turning operations.



Effortlessly Customizable

Conventional CNC lathe bar pullers are a workaround — they replace $10k - $30k automatic stock feeding systems with a turret mounted part. However, they're still expensive and not purpose built to stock specifications. By printing a unique bar puller for each type of stock, bmi CAD found a cost effective, stock specific solution that leverages Onyx's surface and Fiberglass' strength to improve performance.

	PURCHASED	MARKFORGED	SAVINGS
Procurement Lead Time	1 week	8 hrs	94%
Total Part Cost	$1,000	$13	99%

bmiCAD