

Machine Shop Resources

This is a list of good resources for machining information, training, and materials.

YouTube Channels

Blondihacks

Quinn runs a great YouTube channel that has a lot of great training video on manual machining (lathe and mill):

<https://www.youtube.com/@Blondihacks/>

She has a great playlist for lathe training:

[Lathe Skills](#)

There is also a milling playlist:

[Mill Skills](#)

In the lathe skills playlist are great videos on measurement:

[Calipers and Micrometers](#) and [Snap and Depth gauges](#)

Joe Pie

Joe has a good channel with a lot of great short videos covering milling and lathes.

<https://www.youtube.com/@joepie221>

NYC CNC

John Saunders runs this channel. He started 15+ years ago by buying a Tormach CNC and putting it in his tiny garage. He has built a multi faceted machine shop business. His content from 6-10 years ago covers using Fusion 360 and the Tormach CNC machines.

<https://www.youtube.com/@nyccnc>

Inheritance Machining

Brandon of Inheritance Machining makes a lot of cinematic quality machining videos. While they are not really educational in the traditional sense, they can enlighten someone to what is possible without CNC.

<https://www.youtube.com/@InheritanceMachining>

For example, he races a CNC in making a complex steering knuckle for a race car: [CNC Race](#).

All of his other videos are highly entertaining from a manual machining perspective.

Mechanical Advantage

This channel has a lot of content about Fusion CAM and tool path work.

[@MechanicalAdvantage](#)

Websites

ProvenCut

John also runs a site called ProvenCut and is a great resource for Tormach speeds and feeds:

<https://provencut.com>

Materials

A comprehensive list of metal material suppliers is here:

[Material Reference: Metals](#)

Some recommended suppliers:

Metal Supermarkets (Pittsburgh West)

<https://www.metalsupermarkets.com/location/pittsburgh-coraopolis/>

Metals Supermarket in Coraopolis gives Protohaven members a good discount. Call them and tell them you are from Protohaven (you need to call them; the protohaven discount does not work with online orders).

They will deliver to the shop for free (1-7 day delivery time).

308 Moon Clinton Rd, Suite 201,
Coraopolis, PA 15108

(412) 460-9040

Midwest Metal Supply

<https://www.midweststeelsupply.com/>

Midwest Steel Supply is a good resource for Steel, Aluminum and other materials. They will cut to size for a minimal fee. They can take up to a week to get items in the mail.

Revision #5

Created 1 November 2025 22:27:56 by J N

Updated 20 December 2025 20:57:06 by J N