

Material Processing Research Portal

Introduction

Material processing, the series of operations that transforms industrial materials from a raw-material state into finished parts or products. Industrial materials are defined as those used in the manufacture of "hard" goods, such as more or less durable machines and equipment produced for industry and consumers, as contrasted with disposable "soft" goods, such as chemicals, foodstuffs, pharmaceuticals, and apparel.¹



Shipworkers using a Ships Carpenters Adze

Materials processing by hand is as old as civilization; mechanization began with the Industrial Revolution of the 18th century, and in the early 19th century the basic machines for forming, shaping, and cutting were developed, principally in England. Since then, materials-processing methods, techniques, and machinery have grown in variety and number.¹

Welcome to the Material Processing category. Please use this category for your research projects pertaining to the processes included in the manipulation and changing of the main medium of wood. The projects that may be included in this category are related to the machinery, tools and products that are used to form and shape and finish the wood. For example you may want to create a page for a specific type of tool or machine, powered by conventional means or by human power. You may also want to create a page related to a process in finishing the wood. The world of tools, machinery and finishing are vast and expansive. Name all files and images appropriately before uploading to our server. Images and files that contain arbitrary titles or naming conventions will be removed from this wiki.

Create

Create a project in the Material Processing category by clicking on one of the buttons below. Once the page is created you can choose the proper category in the "Properties" tab of your wiki page project.

[Bench Plane](#) [Hand Tool Intro](#)

Research links

The links provided below are helpful links for our editors to use, they are by no means meant to be the only source. If you find links that are helpful for the research of this subject, please include them below.

- Stanley Tools <https://www.stanleytools.com/about/milestones>
- Patrick's Blood and Gore <http://www.supertool.com/StanleyBG/stan0a.html>
- Ancient Tools - History of Woodworking
<https://journeymansjournel.wordpress.com/2016/11/27/ancient-tools-history-of-woodworking/>
- Forvo - A website dedicated to the proper pronunciation of words. <https://forvo.com/>

Project pages in this category

Page	Hits	Last modification	Last author	Version	Links	Backl.	Categories
Glossary of Woodworking Joints	2120	02-11-2023 19:30	admin	72	1	2	Material Processing
Glossary of Woodworking Hand Tools	3767	01-06-2023 09:32	anonymous	245	7	2	Material Processing
Glossary of Woodworking Terms	3600	12-03-2022 07:54	admin	97	13	2	Material Processing
Plane	0	12-02-2022 06:24	John Morris	27	1	2	Material Processing Hand Plane Hand Tool
Spokeshave	0	10-08-2022 09:19 none	admin	13	2	0	Material Processing Hand Tool Spokeshave
Material Processing Research Portal	6862	10-08-2022 08:59 added forvo	admin	42	0	0	Material Processing

Page	Hits	Last modification	Last author	Version	Links	Backl.	Categories
Hammer	1368	07-31-2022 08:48 <i>img Plugin modified by editor.</i>	admin	62	4	3	Material Processing Hand Tool Adze Hammer Axe
Axe	2839	07-30-2022 17:42 <i>updated link</i>	admin	105	1	6	Material Processing Hand Tool Adze Hammer Axe
Adze	4728	07-29-2022 09:35 <i>added file references</i>	admin	60	7	3	Material Processing Hand Tool Adze Axe
Glossary of Woodworking Machinery	1580	07-28-2022 18:05 <i>punctuation</i>	admin	32	0	1	Material Processing
Lie Nielsen No. 6	672	07-25-2022 18:47 <i>layout</i>	admin	26	0	0	Material Processing Hand Plane Hand Tool Bench Plane Fore Plane
Chisel	0	02-06-2022 15:33 <i>footnote Plugin modified by editor.</i>	admin	11	0	1	Material Processing Hand Tool
Froe	220	09-04-2021 18:59 <i>media player</i>	admin	13	2	2	Material Processing Hand Tool Froe

Page	Hits	Last modification	Last author	Version	Links	Backl.	Categories
Lie Nielsen No.2	377	12-14-2019 05:20 <i>added care</i>	John Morris	7	0	0	Material Processing Hand Plane Hand Tool Bench Plane Smoothing Plane
Lie Nielsen No.1	525	12-14-2019 05:19 <i>removed footnote</i>	John Morris	14	0	0	Material Processing Hand Plane Hand Tool Bench Plane Smoothing Plane
Material Processing	1121	01-20-2019 20:16 <i>none</i>	admin	5	0	0	Material Processing Hand Tool Adze Hammer Axe

Files and images in this category

ID	T	Name	Actions
641	Two Inside Calipers	Attribution: Glenn McKechnie, CC BY-SA 3.0 , via Wikimedia Commons Source: https://upload.wikimedia.org/wikipedia/commons/c/c3/InsideCalipers.jpg	  
637	Spokeshave	The spokeshave refining the form and edge of a wood billet. Reference: https://upload.wikimedia.org/wikipedia/commons/3/30/Utilisation_d%27un_wabstringue_-_Mobilier_National.jpg Source: https://upload.wikimedia.org/wikipedia/commons/3/30/Utilisation_d%27un_wabstringue_-_Mobilier_National.jpg	  
634	Pronunciation En Plane	Source: https://forvo.com/word/plane/#en	 
615	Plumb Bob	Plumb bob sold by Woodcraft, this specific plumb bob is a 12 oz. brass by Bon Tool. Source: https://www.woodcraft.com/products/plumb-bob-brass-12-oz-bon-tool	  
613	Powermatic Jointer Planer	Powermatic Jointer Planer Source: https://commons.wikimedia.org/wiki/File:Powermatic_jointer.jpg Attribution: The original uploader was SilentC at English Wikipedia., GPL , via Wikimedia Commons	  
603	Shopsmith 520 Combination Machine	Shopsmith Model 520 Combination machine consists of a table saw, drill press, band saw, lathe, and a horizontal boring capacity. Source: John Morris (Own Work)	  

🔗 565	Pronunciation En Chisel <i>Pronunciation for the word "Chisel"</i> Reference: Team, Forvo. "How to Pronounce Chisel in English - Definition and Synonyms of Chisel in English." Forvo.Com. forvo.com, https://forvo.com/word/chisel/ . Accessed 23 July 2020.	🕒 🕒 🕒
🔗 564	Carpenter tools: Hand wood chisel Source: https://commons.wikimedia.org/wiki/File:Hand-wood-chisel-01.jpg Attribution: CEphoto, Uwe Aranas <i>Carpenter tools: Hand wood chisel</i> Source: https://commons.wikimedia.org/wiki/File:Hand-wood-chisel-01.jpg Attribution: CEphoto, Uwe Aranas	🔍 🕒 🕒
🔗 562	ADurer Auger Bayonne <i>Study of a Man with a Drill</i> Source: https://commons.wikimedia.org/wiki/File:ADurerAugerBayonne.jpg Attribution: Albrecht Dürer / Public domain	🔍 🕒 🕒
🔗 561	Line art drawing of an Auger Attribution: Pearson Scott Foresman / Public domain Source: https://commons.wikimedia.org/wiki/File:Auger_3_(PSF).png <i>Line art drawing of an Auger</i> Attribution: Pearson Scott Foresman / Public domain Source: https://commons.wikimedia.org/wiki/File:Auger_3_(PSF).png	🔍 🕒 🕒

References

- 1 ● Britannica, E. "Materials Processing". Encyclopedia Britannica, 24 July 2019, <https://www.britannica.com/technology/materials-processing>.

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