



# MATERIAL SOLUTIONS BY CARPENTER DISTRIBUTION

The alloys you need, on time,  
on spec, and on budget

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- Just-in-time inventory of high-productivity materials
  - Reliable distribution across North America
  - 135+ years of machining and metallurgical expertise

Carpenter Distribution is the best option for organizations that require optimal efficiency in their manufacturing operations. In today's world, inventory management and lead time are critical. As the **leading North American distributor** of tool steel, high-speed steel, powdered metals, alloy, stainless, and carbon steels, our material solutions set the standard.

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Carpenter Distribution services North America's tooling needs with the most comprehensive value-added processing capabilities, extensive inventories, high-quality materials, and reliable deliveries from stock.

Our industry-leading sourcing expertise provides our customers with the highest quality products available in the market. Our aerospace alloy technologies and tool steel know-how help our customers solve their most challenging issues, from metallurgical problems to more routine application concerns.



Our capabilities include:

### **NORTH AMERICAN COVERAGE**

Over 400,000 square feet of warehousing and value-added processing.

### **JUST-IN-TIME INVENTORY**

65 product grades in a wide variety of shapes, sizes, and forms in stock across our network of distribution centers, with many items available for next-day delivery.

Visit [CarpenterDistribution.com/Inventory](http://CarpenterDistribution.com/Inventory) to see available inventory in real time.

### **VALUE-ADDED SERVICES**

70% of orders undergo value-added processing before shipment to help our customers operate with greater efficiency.

### **SAWING**

More than 100 cut-off saws, up to 52-inch diameter to handle any cutting requirement.

### **CNC PRODUCTION SAWING**

High productivity, close tolerance, high surface finish sawing with our Nishijimax NCH-150 and NCH-120.

### **PLATE SAWING**

26 plate saws, including 18 cold saws for high accuracy and the highest surface finish.

### **HOLLOW BAR**

Three engine lathes, eight turret lathes, five CNC lathes, and trepanning to service your O.D. and I.D. requirements.

### **CNC MACHINING**

Computer-controlled machining and turning to supply close-tolerance, semifinished products to save you time and money. Milling, grinding, heat treating, and JIT services are also available.

**TOOL STEEL, ALLOY, AND  
STAINLESS STEEL PLATE AND SHEET**

Grade	Minimum Thickness	Maximum Thickness
4140 ANNEALED	0.250	10.000
4142 HT	0.250	10.000
420ESR SS	0.500	12.000
440C SS	0.065	1.500
A2	0.032	10.000
D2	0.036	12.000
H13	0.125	12.000
O1	0.045	6.000
S7	0.040	8.000

**POWDER METALLURGY AND  
HIGH-SPEED PLATE AND SHEET**

Grade	Minimum Thickness	Maximum Thickness
CPM 1V	0.500	5.000
CPM3V / MM03	0.250	5.000
CPM9V / MMA11LVC	0.750	5.187
CPM10V / MMA11	0.026	12.000
CPM 15V	0.375	4.000
CPM S90V	0.500	4.000
M2	0.035	6.000
M4	0.250	12.000
T15	0.500	4.000

**HOT WORK, MOLD, AND  
STAINLESS STEEL ROUNDS**

Grade	Minimum Diameter	Maximum Diameter
2367	0.750	14.000
2714 HT	8.000	26.000
420 ESR SS	0.500	14.500
H13	0.250	34.000
H13 ESR	4.000	14.500
P20	1.000	12.000
VISCOUNT 44	0.500	10.000

**COLD WORK TOOL STEEL ROUNDS**

Grade	Minimum Diameter	Maximum Diameter
A2	0.125	28.000
A6	0.500	12.000
A8	0.500	5.000
A10	0.375	12.000
D2	0.250	34.000
D3	0.500	8.000
D7	0.500	7.000
L6	0.500	16.000
O1	0.250	26.000
O6	0.250	20.000
PGK/LESCOWEAR	0.500	8.000
S5	0.375	18.000
S7	0.250	24.000
VERTEX	0.500	8.000

**POWDER METALLURGY AND  
HIGH-SPEED STEEL ROUNDS**

Grade	Minimum Diameter	Maximum Diameter
CPM 1V	1.000	15.000
CPM3V / MM03	0.390	16.500
CPM9V / MMA11LVC	0.390	15.000
CPM10V / MMA11	0.250	15.000
CPM 15V	0.500	10.250
CPM 20CV	1.500	8.125
CPM REX 45	0.265	9.125
CPM REX 76	0.500	8.125
CPM S90V	0.750	10.125
M2	0.125	10.125
M4	0.250	15.000
T15	0.250	15.000

**ALLOY AND  
CARBON ROUNDS**

Grade	Minimum Diameter	Maximum Diameter
<b>SMOOTH TURNED</b>		
4140 HT	1.000	12.000
<b>ROUGH TURNED</b>		
2714 HT (38/42HRC)	2.500	26.000
4150 ANNEALED	6.000	34.000
4150 HT	8.000	34.000
4340 ANNEALED	5.000	32.000
4340 HT	8.000	32.000

If you don't see what you're looking for, give us a call at 800 321 6446 or visit [CarpenterDistribution.com](http://CarpenterDistribution.com).

Carpenter Distribution is the single-source solution for steel, alloys, advanced specialty materials, and value-added solutions. We provide coverage throughout North America, offering:

- Tool steel plate, flats, squares, and rounds
- High-speed and tool steel sheet and rounds
- Alloy, carbon, and mold steel
- High-performance powder metallurgy steel
- Processing, manufacturing, and supply



## BROAD NORTH AMERICAN DISTRIBUTION NETWORK

For additional information, contact one of the following locations or visit us online:

### UNITED STATES

✉ [distribution@cartech.com](mailto:distribution@cartech.com)

LOCATION	REGIONAL CONTACT
1. Vienna, OH	800 321 6446
2. White House, TN	

### CANADA

✉ [distribution@cartech.com](mailto:distribution@cartech.com)

LOCATION	REGIONAL CONTACT
3. Blenheim, ON	800 265 5293

### MEXICO

✉ [distribution@cartech.com](mailto:distribution@cartech.com)

LOCATION	REGIONAL CONTACT
4. Iztapalapa Vallejo	0155 5010 4820
5. Guadalajara	8000 8500 to 8000 8504
6. Puebla	0155 5010 4871
7. Queretaro	
8. Monterrey	850 0400 to 8850 0404



[CarpenterDistribution.com](http://CarpenterDistribution.com)