

Elevating **Mobile** and **Web Solutions** from Development to Delivery



Case Study For

ATLAS
CUTTING TOOLS

Project

Website Design

Created With



Year

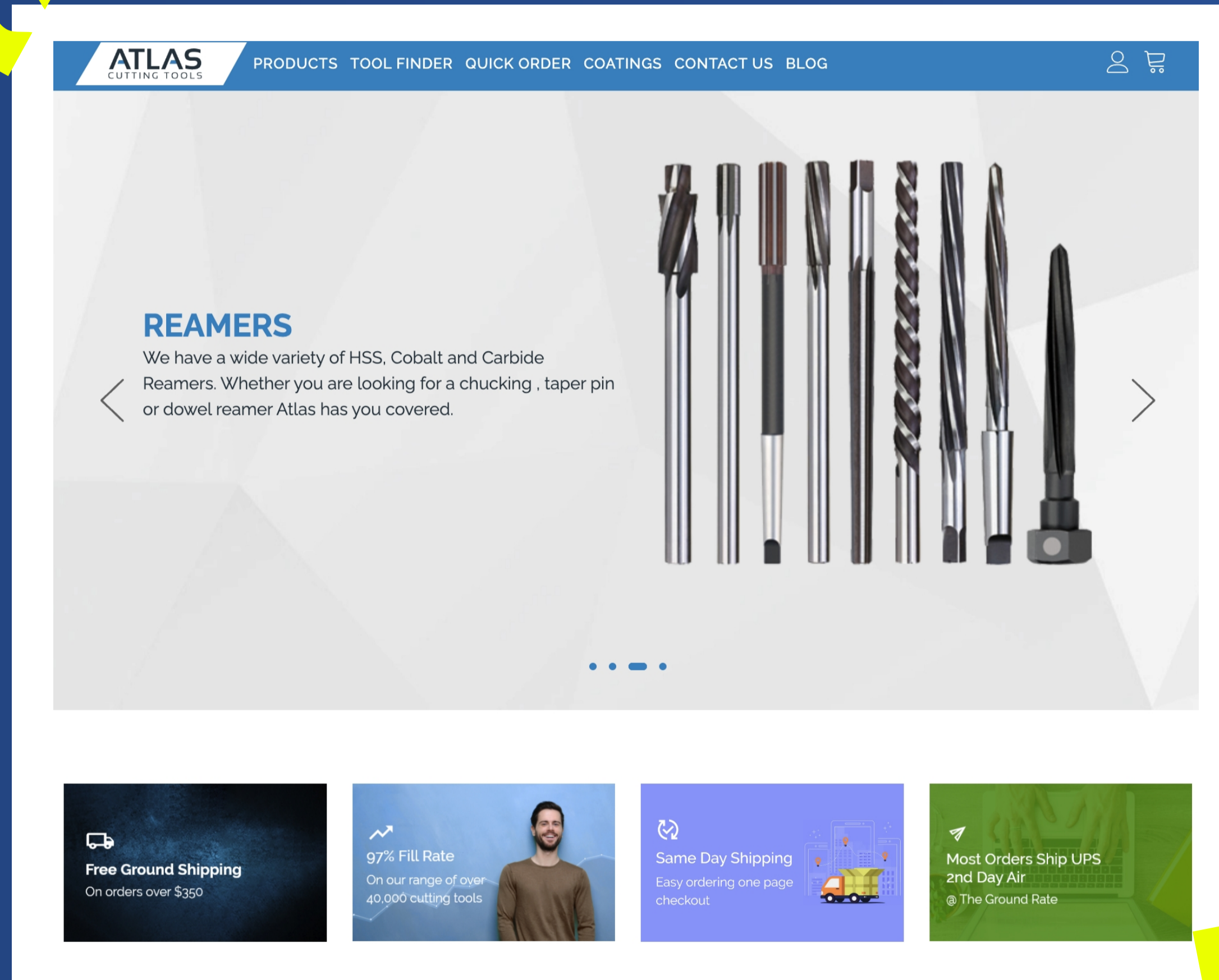
2021

Role

UX/ Ui Design & Development

Tech Used

Bigcommerce

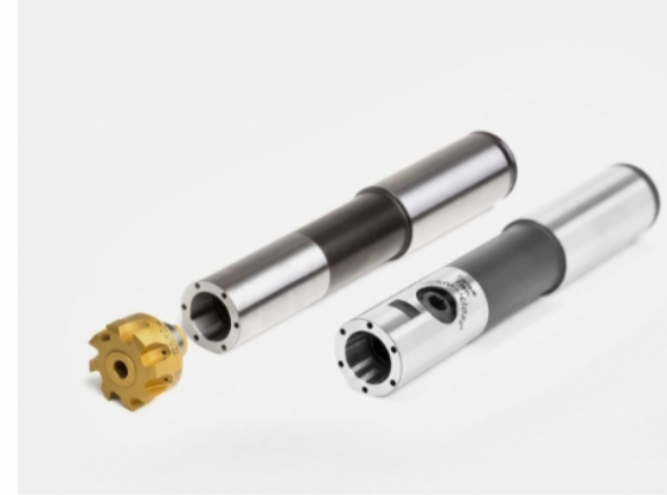


Taps

Cutting Tools

Reamers

USA Made End Mills



REAMERS



END MILLS



DRILLS



TAPS



BURS



CHAMFER MILLS



THREADMILLS



COUNTERSINKS



COMBO DRILL TAP

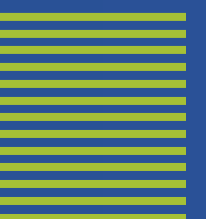
Project Brief

WELCOME TO Atlas Cutting Tools

Atlas Cutting Tools is a bigcommerce store of manufactured cutting tools. Here users can get a wide range of tools with an easy search tool (Tool finder). Users can add multiple products to their cart in one go which makes their purchase process faster. Filters added to the website are so helpful that one can get accurate tools easily.

The image displays four promotional cards arranged in a 2x2 grid, each with a white border and a distinct background color. The top-left card has a dark blue, textured background and features a white truck icon, the text 'Free Ground Shipping', and 'On orders over \$350'. The top-right card has a light blue background with a white line graph and a smiling man in a brown sweater; it says '97% Fill Rate' and 'On our range of over 40,000 cutting tools'. The bottom-left card has a light purple background with a white refresh icon, the text 'Same Day Shipping', and 'Easy ordering one page checkout', accompanied by an illustration of a yellow truck and mobile devices. The bottom-right card has a green background with a white paper plane icon, the text 'Most Orders Ship UPS 2nd Day Air', and '@ The Ground Rate', with a faint image of a laptop keyboard.

- Free Ground Shipping**
On orders over \$350
- 97% Fill Rate**
On our range of over 40,000 cutting tools
- Same Day Shipping**
Easy ordering one page checkout
- Most Orders Ship UPS 2nd Day Air**
@ The Ground Rate



Wide Range Of Products

- ✦ Reamers
- ✦ End Mills
- ✦ Drills
- ✦ Burs
- ✦ Taps
- ✦ Chamfer Mills
- ✦ Comb Drill Sink
- ✦ Countersinks
- ✦ Threadmills
- ✦ N C Spotting Drills
- ✦ Dies Accessories
- ✦ Drill Drifts
- ✦ Drill Mills
- ✦ Sets

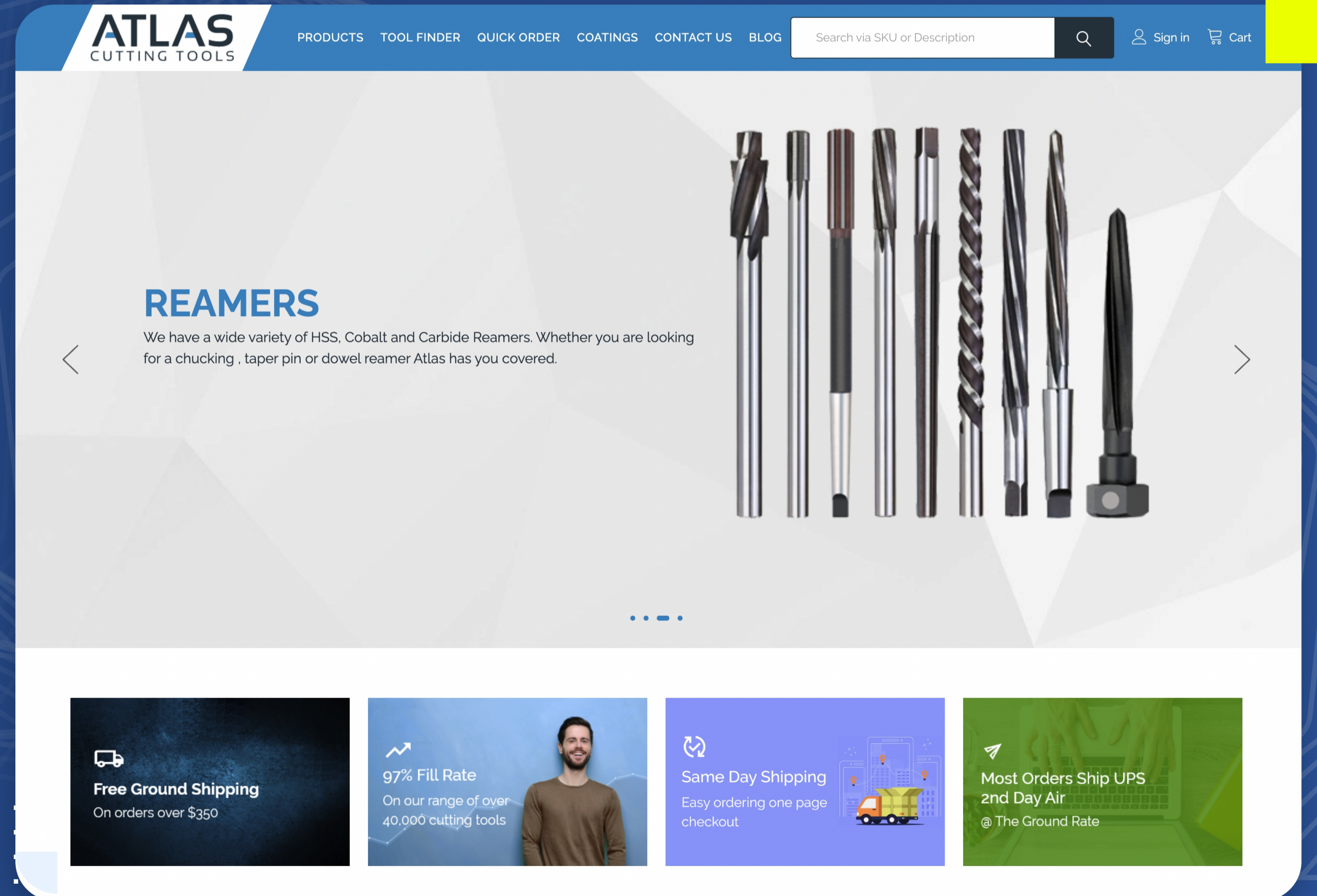
The screenshot shows the ATLAS Cutting Tools website. The navigation bar includes: PRODUCTS, TOOL FINDER, QUICK ORDER, COATINGS, CONTACT US, and BLOG. The main content area displays a list of products on the left and detailed product information on the right.

Product Category	Product Details
Reamers	CHUCKING REAMERS
End Mills	Carbide - Straight Flute
Drills	Cobalt - Right Hand Spiral
Burs	Cobalt - Straight Flute
Taps	HSS - Intermediate Sizes
Chamfer Mills	HSS - Left Hand Spiral
Comb Drill sink	HSS - Right Hand Spiral
Combo Drill Tap	HSS - Straight Flute
Countersinks	HAND REAMERS
Threadmills	HSS - Left Hand Spiral
N C Spotting Drills	HSS - Straight Flute
Dies Accessories	MISC REAMERS
Drill Drifts	HSS Bridge Reamers LH Spiral
Drill Mills	HSS Capscrew Counterbores
Sets	HSS Construction Reamers LH Spiral
	HSS Safety Reamers LH Spiral
	HSS Taper Pipe
	HSS Taper Shank Straight Flute
	TAPER PIN REAMERS
	HSS - LH Helical
	HSS - LH Spiral
	HSS - Straight Flute
	EXPANSION REAMERS
	HSS - Straight Shank
	HSS - Taper Shank
	All Reamers

Powerful Features

Get the best of our features at very low prices and with a Quality of services

- ✓ Customized Theme
- ✓ Tool Finder
- ✓ Quick Order
- ✓ Mega menu
- ✓ Bulk Quantity
- ✓ Modified checkout page layout

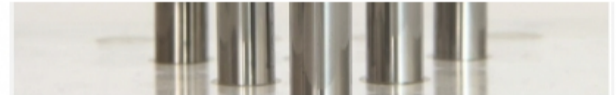


Customized Theme

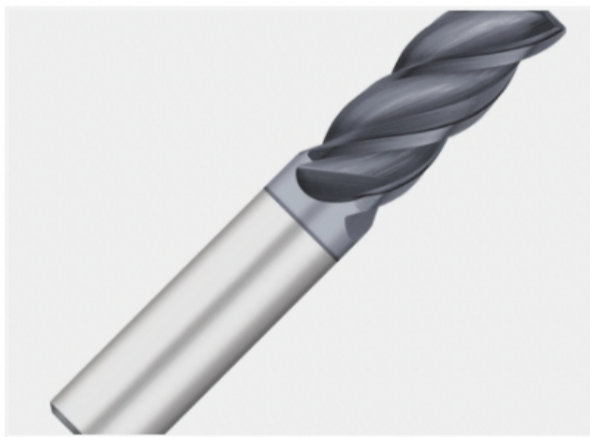
Customized Theme using Stencil CLI, Grunt CLI



high and can be run at much higher speeds and feeds than all other coatings. can use this widget to input text into the page.




ALCRO-MAX




ALCRO-MAX is a Triple Platin Coating based on AlCrN with a titanium addition. Triple Coatings are deposited with 3 sections freely programmed in one batch. ALCRO-MAX has been engineered to give an optimum balance between the toughness of the core layer and the abrasion resistance of the top nano-layer. Titanium's addition reduces the adhesive wear compared to conventional AlCrN coatings, increases the micro-hardness up to 3500Hv and stops the crack propagation through the coating. ALCRO-MAX is mostly suitable when machining tool steel and shows excellent behavior for wet and MQL (minimum quantity lubrication) conditions. can use this widget to input text into the page.

TiCN (Titanium Carbonitride)

A general purpose coating that offers improved wear resistance to abrasive, adhesive, or difficult to machine materials such as cast iron, aluminum alloys, steels, copper and more. This is a common used substitute when the advantages of ALTiN cannot be used, as in applications that cannot generate the speeds and feeds required for higher cutting temperatures. TiCN is harder and more impact resistant than TiN and can improve tool life by as much as 800%.



TiN (Titanium Nitride)



A special multilayer coating for edge retention and corrosion resistance when used on a wide range of materials including iron based, hardened steels, and stainless steels. Typically TiN is used in



Tool Finder

Using bigcommerce Api and jQuery set up an app that will search for categories and their custom fields. In this, the user can search various parameters of the product. The further result page is created where results are shown The sku number

The screenshot shows the ATLAS Cutting Tools website interface. At the top, there is a navigation bar with the ATLAS logo and links for PRODUCTS, TOOL FINDER, QUICK ORDER, COATINGS, CONTACT US, and BLOG. A search bar is located on the right side of the navigation bar, with the text "Search via SKU or Description" and a magnifying glass icon. Below the navigation bar, the main content area is titled "Search by Tool Type". It features a dropdown menu currently set to "Drills". Below this, there are several selection boxes for various parameters: "Select size", "Select oAL", "Select coating", "Select Product Degree", "Select Flute Length", "Select Product Style", "Select Product Material", "Select No of flutes", "Select Product Morse Taper", and "Select Shank dia". A blue "Submit" button is positioned at the bottom of the form.

The screenshot shows the ATLAS Cutting Tools website interface with a table of search results. The table has the following columns: size, Shank dia, oAL, Product Degree, No of flutes, Name, and Sku.

size	Shank dia	oAL	Product Degree	No of flutes	Name	Sku
------	-----------	-----	----------------	--------------	------	-----

Quick Order

This is added in navigation where users can add up to 8 products directly just by putting the SKU number in the field along with its quantity. If they want to add more than that there is a page where users can add any number of products In this, bigcommerce cart API is used to enhance functionality.

ATLAS CUTTING TOOLS PRODUCTS TOOL FINDER QUICK ORDER COATINGS CONTACT US BLOG

SKU	QTY
<input type="text"/>	<input type="text"/>
<input type="text"/>	<input type="text"/>
<input type="text"/>	<input type="text"/>
<input type="text"/>	<input type="text"/>
<input type="text"/>	<input type="text"/>
<input type="text"/>	<input type="text"/>
<input type="text"/>	<input type="text"/>
<input type="text"/>	<input type="text"/>
<input type="text"/>	<input type="text"/>
<input type="text"/>	<input type="text"/>
<input type="text"/>	<input type="text"/>
<input type="text"/>	<input type="text"/>
<input type="text"/>	<input type="text"/>

[ADD ROW+](#)

ATLAS CUTTING TOOLS PRODUCTS TOOL FINDER QUICK ORDER COATINGS CONTACT US BLOG

<input type="text" value="SKU"/>	<input type="text" value="QTY"/>	<input type="text" value="SKU"/>	<input type="text" value="QTY"/>
<input type="text" value="SKU"/>	<input type="text" value="QTY"/>	<input type="text" value="SKU"/>	<input type="text" value="QTY"/>
<input type="text" value="SKU"/>	<input type="text" value="QTY"/>	<input type="text" value="SKU"/>	<input type="text" value="QTY"/>
<input type="text" value="SKU"/>	<input type="text" value="QTY"/>	<input type="text" value="SKU"/>	<input type="text" value="QTY"/>

[Need to order more than 8 items? Quick Order Form](#)

Mega Menu

Mega menu enhancement to support custom HTML for quick order and tool finder in navigation.

The screenshot shows the Atlas Cutting Tools website navigation. The top navigation bar includes the logo, menu items (PRODUCTS, TOOL FINDER, QUICK ORDER, COATINGS, CONTACT US, BLOG), a search bar, and user account icons. A mega menu is open for 'Reamers', displaying a grid of sub-categories and their respective tool types. A detailed description of reamers is provided on the right side of the menu.

Category	Sub-Category	Tool Types	
Reamers	CHUCKING REAMERS	Carbide - Straight Flute Cobalt - Right Hand Spiral Cobalt - Straight Flute HSS - Intermediate Sizes HSS - Left Hand Spiral HSS - Right Hand Spiral HSS - Straight Flute	
	DOWEL PIN REAMERS	Cobalt - RH Spiral Cobalt - Straight Flute HSS - RH Spiral HSS - Straight Shank	
	EXPANSION REAMERS	HSS - Straight Shank HSS - Taper Shank	
	HAND REAMERS	HSS - Left Hand Spiral HSS - Straight Flute	
	MISC REAMERS	HSS Bridge Reamers LH Spiral HSS Capscrew Counterbores HSS Construction Reamers LH Spiral HSS Safety Reamers LH Spiral HSS Taper Pipe HSS Taper Shank Straight Flute	
	TAPER PIN REAMERS	HSS - LH Helical HSS - LH Spiral HSS - Straight Flute	
	All Reamers		
	End Mills		
	Drills		
	Burs		
Taps			
Chamfer Mills			
Comb Drill sink			
Combo Drill Tap			
Countersinks			
Threadmills			
N C Spotting Drills			
Dies Accessories			
Drill Drifts			
Drill Mills			
Sets			

Reamers

Atlas Cutting Tools has one of the most complete ranges of sizes & styles of precision USA manufactured Reamers in the Industry - including HSS & Cobalt Chucking Reamers in every style.

We also stock Dowel Pin, Expansion, Taper Shank, Taper Pipe, Taper Pin, Construction, Capscrew, Safety, Bridge and Hand Reamers – all of which are available at affordable prices and with same day shipping. Reamers are primarily used to remove material from, deburr, or enlarge the inside of previously formed holes such as I-Beams, Angles, Channels and Plates. They have cutting flutes on one end and a straight shank on the other. Reamers can either be used with hand or machine tools, such as turret lathes and drill presses used in metalworking. Reamers used with machines are called chucking reamers. They cut on the 45-degree bevel lead; the bevel lead is the angle at the top of the flute. Hand reamers cut both on the bevel lead and the taper lead, which is the full length of the flute. There are also taper pin reamers, which are designed to ream holes for standard taper pins. Taper pin reamers are used with both hand and machine tools. The number of flutes on the reamer determines how fast it can be fed into the hole, how rigid it is, and the space for

Bulk Quantity

For some products, there is a restriction to select a minimum amount like 6 or 12, etc. For this, customization is done in the theme to match the requirements.

Home | Drills | Carbide | Carbide Jobbers Length Drills | [118° Spiral Flute - Fractional](#)

118° Spiral Flute - Fractional

1 2 Next >

Size	Shank Dia	Flute Length	OAL	no of Flutes	In Stock	SKU	Price	Quantity
1/32	Not Available	5/16	1-1/4	2	117	A48852	\$7.84	0
3/64	Not Available	3/4	1-1/2	2	Call	A48853	\$7.84	0
1/16	Not Available	3/4	1-1/2	2	202	A48854	\$7.41	0
5/64	Not Available	7/8	1-3/4	2	253	A48855	\$7.84	0
3/32	Not Available	1	2	2	525	A48856	\$8.64	0
7/64	Not Available	1-1/4	2-1/4	2	214	A48857	\$9.81	0
1/8	Not Available	1-1/4	2-1/4	2	1253	A48858	\$10.46	0
9/64	Not Available	1-3/8	2-1/2	2	164	A48859	\$11.58	0
5/32	Not Available	1-3/8	2-1/2	2	440	A48860	\$13.00	0
11/64	Not Available	1-5/8	2-3/4	2	199	A48861	\$15.33	0

SIZE

Refine Search..

- 1/16
- 1/2
- 1/32
- 1/4
- 1/8
- 3/16
- 3/32
- 3/64
- 3/8
- 5/16
- 5/32
- .

OAL

Refine Search..

- 1-1/2
- 1-1/4
- 1-3/4
- 2
- 2-1/2
- 2-1/4
- 2-3/4
- 3
- 3-1/2
- 3-1/4
- 3-3/4
- .

Modified Checkout Page Layout

Modified checkout page layout, add custom UPS Collect code to avoid paying monthly - Added a PO (Purchase Order) Field for the customer to enter at checkout

ATLAS
CUTTING TOOLS

PRODUCTS TOOL FINDER QUICK ORDER COATINGS CONTACT US BLOG Search via SKU or Description Sign in Cart

Home | Drills | Carbide | Carbide Jobbers Length Drills | 118° Spiral Flute - Fractional | 1/32" Carbide Jobbers Drill 118° Spiral Flute

1/32" Carbide Jobbers Drill 118° Spiral Flute
1/32" (.0312) DIA. X 5/16" LOCX 1-1/4" OAL, Drills Carbide/118 Deg. Spiral Flute Fractional

\$7.84

QUANTITY: [ADD TO CART](#)

[ADD TO WISH LIST](#)

DESCRIPTION

Size	Shank Dia	Flute Length	OAL	no of Flutes	In Stock	Sku	Price
1/32	Not Available	5/16	1-1/4	2	117	A48852	\$7.84

RELATED CATEGORIES

Drills.

Drills/Carbide.

Drills/Carbide/Carbide Jobbers Length Drills.

Carbide Jobbers Length Drills



Carbide Jobbers Length Drills

SIZE

Refine Search..

- #1
- #10
- #11
- #12
- #13
- #14
- #15
- #16
- #17
- #18
- #19
- #~

OAL

Refine Search..

- 1-1/2
- 1-1/4
- 1-3/4
- 2
- 2-1/2
- 2-1/4
- 2-3/4
- 3
- 3-1/2
- 3-1/4
- 3-3/4
- .

118" SPIRAL FLUTE - FRACTIONAL

118" SPIRAL FLUTE - FRACTIONAL - ALTIN

118" SPIRAL FLUTE - LETTER SIZE

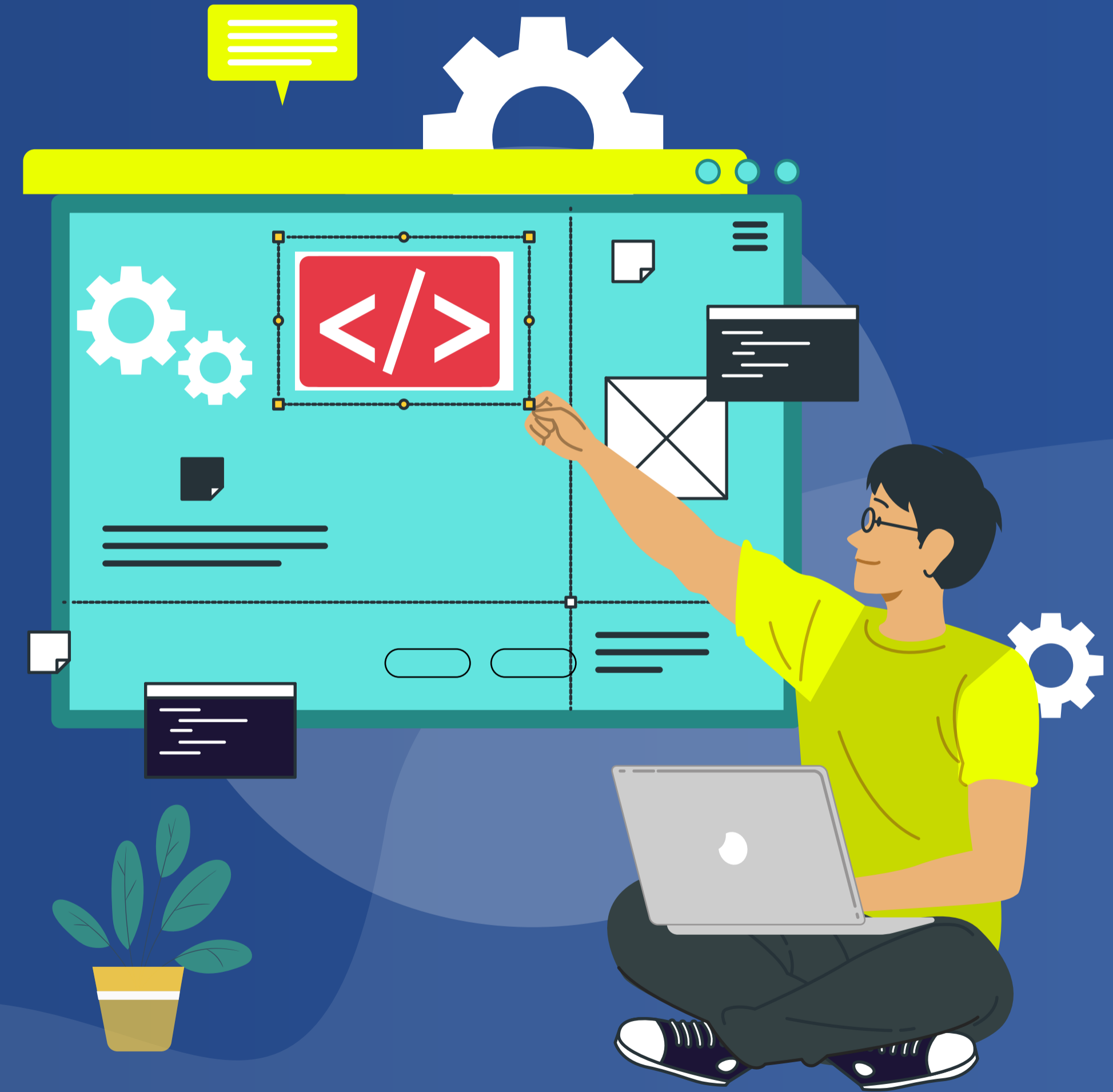
118" SPIRAL FLUTE - LETTER SIZE - ALTIN

118" SPIRAL FLUTE - METRIC

118" SPIRAL FLUTE - METRIC - ALTIN



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