

# Welding and Fabrication Industry



## Problem

- Wide variety of materials flowing through the shop can make stocking the right tool for the right job difficult.
- Keeping cost/inventory under control.

## Solution

### **C-L** Drilling: Chicago-Latrobe®

- Style: 150ASP – Heavy Duty Split Point Drills
- Style: 550ASP – Heavy Duty Cobalt Drills
- Style: 190F – Reduced Shank Drills

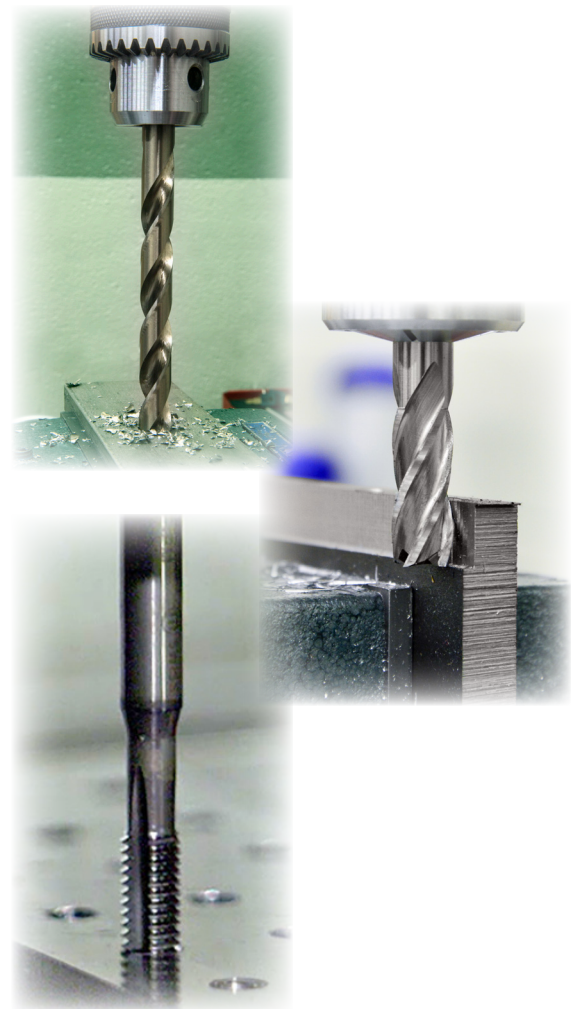
### **C** Tapping Cleveland®

- Style: PRO861SP – Universal Style Spiral Point Tap
- Style: PRO981SF – Universal Style Spiral Flute Tap

### **C** Milling: Cleveland®

- Style: HDC-4C – Double-End Cobalt End Mills
- Style: CEM-SE4 – Solid Carbide End Mills

See the reverse side for specific product solutions. 



Greenfield Industries  
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**Greenfield Industries will help you  
save time and increase productivity  
in your toughest applications.**





Greenfield Industries manufactures cutting tools for the Welding and Fabrication Industry in a large variety of sizes and styles.

## Problem

Drill bits can “walk”, require excess pressure to get started, and only work in a few materials.

## C-L Solution

Chicago-Latrobe® 150ASP drills penetrate the workpiece on contact, and require less pressure to get started. They also **perform well in a wide array of materials.**



## Problem

Excessive drill bit usage in hard heat resistant materials.

## C-L Solution

Chicago-Latrobe® 550ASP utilizes a premium cobalt substrate to increase heat resistant for **better tool life in harder materials.**

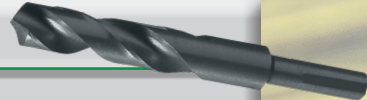


## Problem

Need to drill a hole larger than 1/2" but your drill chuck will not accept diameters this large?

## C-L Solution

Chicago-Latrobe® 190F drills have a standard 1/2" shank and come in diameters up to 1-1/2". They are also available with a split point and a 3 flat shank for **improved accuracy and chucking rigidity.**



## Problem

Difficulty finding a taps that works well in the vast majority of materials?

## C Solution

Cleveland® PRO861SP & PRO981SF have an **optimized geometry** blind or through hole tapping in materials ranging from Aluminum to Stainless Steel. Standard surface treatments are also available for these taps.



## Problem

Seeking an economical solution to everyday end milling tasks?

## C Solution

Cleveland® HDC-4C double ended end mills provide the additional value of **two tools on one shank.** Several surface treatment option are also available.



## Problem

Need your end milling operations to be faster and more productive?

## C Solution

Cleveland® CEM-SE4 is constructed of sub-micron grain carbide substrate, allowing for **elevated speeds, increased overall productivity.** Available TiAlN coating increases this tools performance in harder materials.



6/2020



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