

# ITAMCO Releases Three New App Bundles for Machinists

**ITAMCO** (Indiana Technology and Manufacturing Companies) has released three new bundled apps: CNC Machinist, Practical Machinist and Ultimate Machinist. These app bundles contain ITAMCO's most popular apps and are offered at reduced prices through the Apple App Store.

## CNC Machinist

The CNC Machinist App Bundle has four apps that will help users build a CNC program and the settings to send to a CNC machine tool, including:

- Feed Rate Calculator – calculates feed rate and speeds
- Grid Pattern Support – gives X and Y positions for a grid pattern program
- Bolt Hole Circle Calculator – calculates coordinates of a bolt hole circle based on the number of holes and X, Y coordinates
- iDNC – the first iOS DNC settings app for CNC machine tool controls. DNC settings for multiple machine controls and types including, but not limited to, Fanuc, Siemens, Mazak, Okuma, Haas, and many more. Also includes FTP (file transfer protocol) client server for part programs for CNC controls such as Fanuc.

The price of the CNC Machinist App Bundle is \$1.99. (Individual apps are \$1.00 each.)

## Practical Machinist

These four apps cover the basic tasks for the machinist, including:

- Feed Rate Calculator – calculates feed rate and speeds
- Drill Tap – calculates different size drills, taps, bolts, screws, and nuts
- Metal Weight Calculator – calculates weights of different types of metals in various shapes
- Measure Threads – measures threads with wire and calculates the best wire size



The price of the Practical Machinist App Bundle is \$1.99. (Individual apps are \$1.00 each.)

## Ultimate Machinist

The Ultimate Machinist contains the 10 apps that every machinist needs, including:

- Feed Rate Calculator – calculates feed rate and speeds
- Drill Tap – calculates different size drills, taps, bolts, screws, and nuts
- Metal Weight Calculator – calculates weights of different types of metals in various shapes
- Measure Threads – measures threads with wire and calculates the best wire size
- Bolt Hole Circle Calculator – calculates coordinates of a bolt hole circle based on the number of holes and X, Y coordinates
- Ball Nose Calculator – calculates step-over and depth of cut for a ball nose end mill
- Sine Bar Calculator – calculates the gage block stack, 1st angle, and/or 2nd angle given the sine bar size and one of the other variables
- Drill Point Calculator – calculates drill point depth and countersink depth or angles
- Thermal Expansion Calculator – calculates changes in dimensions or thermal expansion coefficient of a substance related to its thermodynamic property when heated, and expanding or contracting when cooled
- Surface Finish Calculator – converts values between speed, corner radius, and surface finish value

The price of the Ultimate Machinist App Bundle is \$4.99. (Individual apps are \$1.00 each.)

The apps require iOS6.1 and can be purchased through the Apple App Store in iTunes. They are compatible with the iPhone, iPad and iPod Touch.

## A 250,000 App Download Milestone for ITAMCO

ITAMCO isn't a newcomer to app development. The company is currently releasing a new app every two weeks and has released over 65 apps for iOS, Android, Windows and

Blackberry mobile devices since 2009. The development team recently celebrated 250,000 downloads in 155 countries. Joel Neidig, an engineer at Indiana Gear (a division of ITAMCO) is the lead developer in a team of three. The development team is uniquely qualified—all three have shop floor experience and are software developers. “We’re committed to building our applications on platforms that bring a user-friendly experience to our customers at an affordable price,” said Mr. Neidig. “We started developing apps because we needed tools on our shop floor that we couldn’t find in the marketplace,” he added.

Mr. Neidig and his team have also released iBlue—the first industrial handheld bluetooth transmitter—and an award-winning Google Glass application. All of these innovations are integrated into Indiana Gear’s plant monitoring system.

#### About ITAMCO

Since 1955, ITAMCO has provided open gearing and precision machining services to many heavy-duty industries including mining, off-highway vehicles, marine, and aviation. Learn more about ITAMCO at [www.itamco.com](http://www.itamco.com) or call (574) 936-2112.



**High-Quality Cut Wire Shot**

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## 10 Strongest Materials Known to Man

*Have you ever heard of Buckypaper? It is one of the strongest materials known to man. This carbon nanotechnology material is 500 times stronger than steel and ten times lighter. Believe it or not, spider's silk is also on this list. And one is from outer space. Are you familiar with any of them?*

**10 Spiders' Silk.** Darwin bark spiders' silk is considered the toughest biological substance. It is 10 times stronger than Kevlar.

**9 Silicon Carbide.** Forms the basis of Chobham armor used in battle tanks. Highly effective — not one British Challenger tank was destroyed in Operation Desert Storm.

**8 Nanospheres/Nano-Kevlar.** Self-assembling nanospheres are the stiffest organize material ever created and they could lead to the development of printable body armor.

**7 Diamond.** The hardest material on earth. It has unrivaled resistance to scratching.

**6 Wurtzite Boron Nitride.** This material is created during volcanic eruptions and is theoretically 18% harder than diamond. However, large enough quantities don't exist to test this theory.

**5 Lonsdaleite.** Formed when meteorites containing graphite hit Earth. Simulations show it to be 58% harder than diamond, but, again, it's too rare to test.

**4 Dyneema.** High-performance polythene marketed as the strongest fiber in the world. Lighter than water, it can stop bullets and is 15 times stronger than steel.

**3 Metallic Glass.** Palladium microalloy glass has the best combination of toughness and strength. It's thought to be the most durable material on the planet.

**2 Buckypaper.** Nanotechnology material made from tube-shaped carbon molecules 50,000 times thinner than human hair. It's 500 times stronger than steel and 10 times lighter.

**1 Graphene.** One-atom-thick sheets of carbon are 200 times stronger than steel. It would take an elephant balancing on a pencil to break a sheet as thin as Saran wrap. ●