Accessory kit

Item	Qty	Description
1	2	Dead center (1 short, 1 long)
2	1	Allen wrench (set of 4)
3	1	Spanner wrench
4	1	5.5 - 7 mm Open-ended wrench
5	1	8-10 mm Open-ended wrench
6	1	12-14 mm Open-ended wrench
7	1	17-19 mm Open-ended wrench
8	1	CNC Base Control Software
9	2	Electrical panel keys
10	1	5 mm x 20 mm fuse
11	1	Chuck key, T-handle
12	1	Chuck jaw (set of 3)
13	1	Ethernet cable

Technical Support:

Phone	(800) 221-2763
Fax	(603) 625-2137
Email	support@intelitek.com
Web	www.intelitek.com

Before contacting Intelitek make sure you have the following information:

- The product serial number
- The name of the owner of the product
- Your computer specifications / documentation
- Notes on any control program error messages
- Access to the hardware and software components of your system

34-0000-9000 Rev-B

intelitek ▶▶ ®

444 East Industrial Park Dr. • Manchester, NH 03109
Phone: 800-221-2763 • info@intelitek.com
**www.intelitek.com**

ProTurn 9000
Turning Center

Right side view

Machine components

Enclosure view

Item #	Description
1	Enclosure door
2	I/O Ports
3	Enclosure release button
4	Emergency stop switch
5	Electronics cabinet
6	Tailstock
7	Serial number (top of rear rail)
8	Side access door
9	Lubricant reservoir
10	On/Off switch
11	PC power supply
12	Coolant power supply
13	Jog pendant port
14	Fanuc panel port
15	Ethernet port
16	Work light
17	Tool turret
18	Chuck

QUICK-START INSTALL GUIDE

intelitek ▶▶ ®
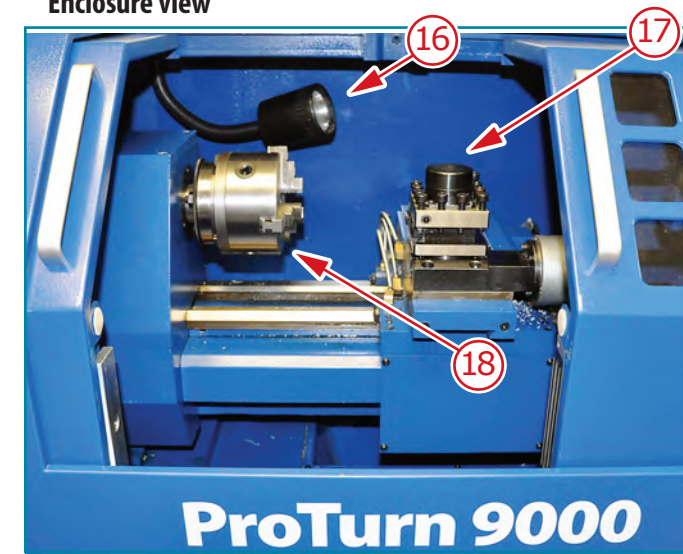
Step 1

Unpack the Machine

1 Remove the crating:

> ⚠ **CAUTION**
>
> **Hold the crate components securely when removing them so that they do not strike or damage the machine.**

- Cut any banding on the outside of the crate.
- Remove the top of the crate.
- Remove the sides of the crate.

2 Remove the 4 shipping bolts that hold the machine to the pallet.

> ⚠ **CAUTION**
>
> **1000 lbs (450 kg)**
>
> **Lifting hazard!**
> Machine weighs over 1000 lbs (450 kg). Failure to lift properly may result in injury.
>
> A forklift or other mechanical means is required to lift the machine.

3 Using a forklift, lift the machine off the pallet and place it in it's work area.

5 Open the enclosure door and remove the components from the enclosure.

Step 2

Connect the Machine

1 **Connect to power:** Plug the power cord on the left side of the machine into your facility electrical power.

2 **(Optional) Connect to air:**

> ⚠ **CAUTION**
>
> **Avoid injury or damage to equipment!**
>
> Turn off the supply of pressurized air at the source, or at a shutoff valve between the source and the machine before connecting the air lines to the machine.
>
> If your machine inlcudes optional pneumatic equipment, connect your facility air supply to the pneumatic regulator. See the documentation for your specific options for more details.

> **NOTE:**
>
> The method for connecting pressurized air may vary depending on your facility. Consult the appropriate facility personnel if you are unsure how to connect your machine to your air supply.

3 **Connect to Ethernet:** Connect one end of the provided Ethernet cable to your computer's Ethernet port. Connect the other end to the CNC machine's Ethernet port.

> ⚠ **CAUTION**
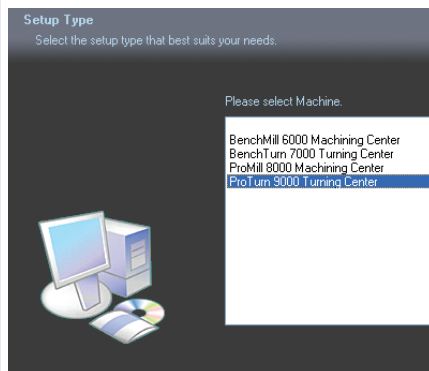>
> **Avoid damage to equipment!**
>
> Do not connect the CNC machine to the Ethernet through a router or network switch. Connect the machine directly to the computer's Ethernet port.

Step 3

Install the Software

Install the software:

1 Insert the installation CD into the computer's CD drive.

2 Select Start > Computer and navigate to the Install folder on the CD drive.

3 Double click on the iCNC.exe file to start the installation.

4 When prompted, select the appropriate machine from the list.

Setup Type
Select the setup type that best suits your needs.

Please select Machine.

BenchMill 6000 Machining Center
BenchTurn 7000 Turning Center
ProMill 8000 Machining Center
ProTurn 9000 Turning Center

5 Follow the on-screen instructions.

6 Restart your computer.
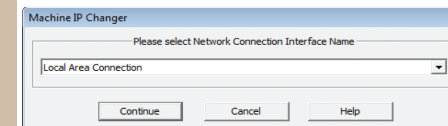
Step 4

Configure the IP Address

> **NOTE:**
>
> You must have administrator access to your computer to run the Machine IP Changer utility.

1 Run the Machine IP Configuration utility:

From the desktop, click Start > CNC Base for Intelitek CNC > Machine IP Configuration.

2 From the dropdown list, select the local area network or network card that you wish to use for the CNC machine then click Continue.

Machine IP Changer
Please select Network Connection Interface Name
Local Area Connection

Continue   Cancel   Help

3 When prompted, click Yes to confirm the IP setting. The utility automatically changes your IP address to a static one, allowing iCNC to communicate with the machine.

When the process is finished, Machine IP Changer displays the configuration for all active network connections.

4 Press OK to complete the IP address configuration.
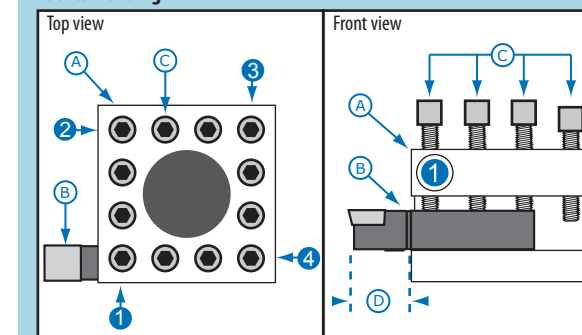
Step 5

Install the Tool

> ⚠ **WARNING**
>
> **Rotating shaft!**
> **Moving cutting tools!**
> Handle cutting tools carefully.
>
> **Before opening the safety shield:**
> - Press the Emergency Stop button.
> - Wait until all motion has stopped.

Tool turret diagram

Top view   Front view

Item #	Description
A	Tool turret plate
B	Tool
C	Turret screws
D	1.125" (28mm) max dimension
1	Tool position marker

> **NOTE:**
>
> The tool turret will support up to 4 tools at one time. The tool positions are numbered on the side of the tooling plate.
> - Mount tools in these positions with the cutting tip face up.
> - The tool tip must not extend more than 1.125" (28mm) from the tooling plate to avoid tool chatter.
> - Use a minimum of two screws to secure the tool.
> - To achieve tight machine tolerances and surface finish, the tool tip and spindle centerline must lie on the same plane. If necessary, use shims to mount tools in the turret.

Install the tool in the tool turret:

1 Push in the emergency stop button and open the enclosure door.

2 If a tool is currently present:
- Loosen the turret screws holding the tool using the 6mm Allen wrench.
- Remove the tool and shim (if a shim is present).

3 Insert the tool with the cutting tip face up into the turret. Add shims if necessary to align the tool to the spindle centerline.

4 Tighten the turret screws. Be sure to use a minimum of two screws to secure the tool.

5 Close the enclosure and release the emergency stop button.

> ⚠ **CAUTION**
>
> **Avoid damage to equipment!**
>
> Before cutting, make sure that each tool has sufficient clearance so it does not strike the chuck or workpiece when changing tools.

ProTurn 9000 *Quick-Start Install Guide*