What is a Virtual Station – and where does wireless tethering fit in?

The Virtual Station is the enabler of your assembly. It controls the tool, the communication and the accessories in your assembly station. Just like Wireless Tethering it is all about streamlining your production – achieving smart connected assembly.

Features

The system consists of a wall-mounted base station and a tool accessory capable of wireless tool tethering and tool orientation detection.

- Wireless tool distance measurement based on ultra wideband radio technology with a minimum precision of 50 cm
- Tool orientation detection in two axes for joint differentiation
- Simple configuration using the integrated touch display
- Communication via Open Protocol to Power Focus 4000 and Power Focus 6000 controllers
- Tool tag accessories for ST, STB and STR tool series
- One simple standalone installation per work station

Tag your tools. The locating tag fits easily to your tools. The tag sends position and orientation information to the base station.

Industrial Location Tethering

Ensures that your wireless tools only operate within the right area.

<table>
<thead>
<tr>
<th>Model</th>
<th>Specification</th>
<th>Ordering No.</th>
</tr>
</thead>
<tbody>
<tr>
<td>ILT Power cable 5M M8 Male -to- Open End, 4 Pole, 5 Meter, Shielded</td>
<td>4222 1011 01</td>
<td></td>
</tr>
<tr>
<td>ILT Ethernet cable 5M M12 Male D-coded -to- RJ45, 4 Pole, 5 Meter, Shielded</td>
<td>4222 1011 02</td>
<td></td>
</tr>
<tr>
<td>ILT Ethernet cable 10M M12 Male D-coded -to- RJ45, 4 Pole, 10 Meter, Shielded</td>
<td>4222 1011 03</td>
<td></td>
</tr>
<tr>
<td>ILT Serial cable 5M M8 Male -to- D-Sub 9, 5 Meter, Shielded</td>
<td>4222 1011 04</td>
<td></td>
</tr>
<tr>
<td>ILT Cable extension 5M M8 Male -to- M8 Female, 4 Pole, 5 Meter, Shielded</td>
<td>4222 1011 05</td>
<td></td>
</tr>
<tr>
<td>PF 6000 Adapter cable</td>
<td>4222 3073 00</td>
<td></td>
</tr>
</tbody>
</table>

- ILT Power cable 5M is included when ordering the ILT Base Station
- The ILT Ethernet cable and PF6000 Adapter cable need to be ordered separately
- For installation with PF4000 the ILT Serial cable needs to be ordered separately

Atlas Copco AB
(pab) 10-105 23 Stockholm, Sweden
Phone: +46 8 743 80 00
Reg. no: 556014-2720
atlas copco.com
Wireless freedom means a huge lift for productivity and ergonomics. And with the many benefits of virtual stations, you have a flexible and agile solution for any quality assembly need you may have.

To gain total control—not only of your results—you can now add the security of wireless tethering of tools within a station. This will ensure that they are only used in the position they are supposed to.

With the Atlas Copco Wireless Tethering solution your battery tools will only operate in the correct station. This helps avoid reworking saving you time and money.

What wireless tethering can do for you

- Your tools will only work where you want them to. Make sure wireless tools are used within the correct station by disabling them if they are outside the set working range.
- You will have total control of settings and applications. The correct tightening program will automatically be selected based on the tool’s position or orientation.
- Control the orientation of the tool. Make sure that the correct bolt is tightened using the orientation detection functionality.

Ensure that your battery tools only work where you want them to

Combine your settings

The Atlas Copco Industrial Location Tethering solution consists of a base station and a tool tag. Wireless distance measurement technology monitors the distance between base station and tool tag. You define criteria for maximum and minimum allowed distance between tool and station.

Tool Orientation detection continuously monitors the tool’s orientation. Users can define criteria for both roll and pitch angles, giving joint differentiation in certain applications.

What wireless tethering can do for you

- User-defined commands regarding tools enable/disable and p-sets can be sent to the Power Focus controller over Open Protocol.
- Your distance range and orientation setting can be used individually or in combination with each other, depending on your needs. Multiple work stations can be set up separately.