PLS3 and PLS5
APPLICATIONS

Steel Stud Framing

Both the PLS5 system and the PLS3 laser tool are self-leveling, accurate and durable point-to-point layout tools for the professional contractor. The unique PLS cantilever design allows for easy sight of the opposing reference points. Both the PLS5 and the PLS3 are designed with advanced dampening which means that any vibrations that occur on the jobsite will not cause the reference points to bounce around. This is especially important when the contractor is moving the PLS tool quickly along track, checking for plumb.

Before a framing contractor can construct walls, he or she must lay out the job, snap the control lines and fasten the track. A contractor must perform a 3-4-5 or 6-8-10 (Pythagoras) to ensure that walls intersect at perfect 90º angles. This is a two-person task but materials and job boxes can get in the way of pulling tape, compromising the accuracy of the payout. Laying our control lines with the PLS5 system is a fast and accurate task. Once the bottom track is down and fastened, the contractor must attach the top track plumb to the bottom track. The PLS laser can be placed perpendicularly to the track with the plumb (down) beam on the outside bottom edge of the track. The point on the ceiling is where the top track must be fastened.

The PLS5 system includes a layout target that has two valuable uses: 1) establishing horizontal 90º points and 2) transferring vertical points to a wall and/or columns. For example, when a contractor want to transfer a control line which is on the slab or decking to an existing wall or column, the head of the PLS5 can be positioned against the wall with the plumb (down) beam aligned on the existing control line. Placing the layout target against the wall above the laser, the contractor can center the plumb (up) beam through the yellow plastic target, mark the perpendicular pin, snap a chalk line and fasten the track