

Name of the Technology: **MODIFIED LATHE TOOL POST**

Laboratory Name	CSIR-Central Scientific Instruments Organisation, Chandigarh
Brief Profile of Technology/Product	<p>The Modified Lathe Tool Post is a device used to hold the tool bit while turning on lathe machines. This tool post comes under the category of Quick Change Tool Posts. It has six main components viz; Central Screw, height adjusting screw, main body, cover, nut with handle and cover leveling screw. The tool bit is held between main body and the cover. The cover is kept horizontal with the help of a cover leveling screw provided on the top of the cover. The tool tip is brought to the center of the job by rotating height adjusting screw clockwise or anticlockwise and after wards is tightened by the nut with handle provided on the top. This way the tool bit as well as whole tool post is gripped with the carriage of the lathe machine. To take out the tool bit, just rotate the nut with handle anticlockwise, the tool bit will be loose and similarly for re-tightening, just rotate the nut with handle in clockwise direction.</p>
Returns/Benefits	The operator does not tire while working on lathe machine with this tool post. It is most useful for light industry as well as training centers.
Validation Level	It is under commercialization.
IPR Status [also indicating the status of the patent (if any) in 2015]	Patent No. 196879 dt 11.08.2006
End product price (if not available, estimated price)	Rs. 1,000/-

Technology/Product Collaborator	In-house development
Relevance of Technology in present times	Being it of international standard, a lot of foreign exchange can be saved.
Similar technology/product developed	No, It is unique
Picture of the technology/product (if any, with good resolution)	