Italy Precision CNC Machining Inc.

Precision Engineering & Cold Forming

TOTAL PRECISION ENGINEERING CHECKLIST

FRAGMENTED SUBCONTRACT SUPPLY CHAINS RESULT IN MANUFACTURERS LOSING KEY OPPORTUNITIES TO DRIVE UP QUALITY. ELIMINATE WASTE AND CAPTURE ADDITIONAL VALUE. TOTAL PRECISION ENGINEERING ENSURES THESE OPPORTUNITIES ARE SEIZED.

TOTAL PRECISION ENGINEERING CHECKLIST

☑ DESIGN

DESIGN COMPONENTS TO SUIT THE REQUIREMENTS OF A CHOSEN PRODUCTION PROCESS, THE MACHINERY INVOLVED AND THE SUPPLIER'S CAPABILITY TO MAXIMISE QUALITY AND PRODUCTIVITY.

☑ MATERIALS

PICK THE OPTIMUM MATERIAL FOR EVERY COMPONENT. USING AN UNFAMILIAR MATERIAL? CONSULT THE EXPERTS TO AVOID DROPS IN QUALITY AND CONSISTENCY.

☑ PROCESS DESIGN

COMBINE MULTIPLE PROCESS STEPS UNDER ONE ROOF AT A SINGLE SUPPLIER TO ELIMINATE INEFFICIENCY AND CREATE CLEAR ACCOUNTABILITY FOR PART QUALITY AND DELIVERY PERFORMANCE.

☑ TOOLING

MAKE USE OF COMPUTER SIMULATION TECHNIQUES TO EVALUATE THE PERFORMANCE OF THE MANUFACTURING PROCESS IN A VIRTUAL ENVIRONMENT.

☑ QUALITY SYSTEMS

USE PROVEN QUALITY MANAGEMENT TECHNIQUES WHEN DESIGNING, MANUFACTURING AND TESTING COMPONENTS. THIS PREVENTS DEFECTS AND ENSURES OPTIMUM QUALITY.

☑ DOWNSTREAM ACTIVITIES

THINK ABOUT EVERY COMPONENT IN THE CONTEXT OF THE BROADER VALUE STREAM TO SIMPLIFY PROCESSES. ELIMINATE WASTE AND ACCOMPLISH MORE VALUE.

☑ THROUGH-LIFE IMPROVEMENT

THE IMPROVEMENT OPPORTUNITIES DON'T STOP WHEN PRODUCTION STARTS. IMPLEMENT AN ONGOING PROCESS OF REVISION AND REFINEMENT TO ACHIEVE HIGHER QUALITY AND LOWER COSTS.

DOWNLOAD ITALY PREDSION'S FREE GUIDE TO TOTAL PRECISION ENGINEERING TO LEARN HOW TO INTEGRATE THE ABOVE ELEMENTS AND FIND BETTER WAYS TO MEET YOUR CURRENT PRECISION MANUFACTURING REQUIREMENTS

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