NEW ORDERS PROCESS

WORK PROCESS | **KEY JOBS**

TECHNICAL REVIEW

NEW PART NUMBER SPECIFICATION

BUSINESS POTENTIAL, PROCESS CAPABILITY ANALYSIS

TECHNICAL BREAKTHROUGH PLAN

LOCATE APPROPRIATE SUPPLIER

DOCUMENTATION REVIEW

SAMPLE ORDER

PROCESS ESTABLISHMENT

KEY OR CRITICAL PROCESS HIGHLIGHT

SAMPLE ORDER RELEASED TO THE SUPPLIER

TNFE HOLDS THE MEETING WITH ATTENDANCE OF SUPPLIER'S ENGINEER, QC & PRODUCTION TO REVIEW PROCESS, HIGHLIGHT CRITICAL POINTS, OUR RECOMMONDATIONS FOR TECHNICAL BREAKTHROUGH & BRAINSTORMING.

TNFE REVIEWS ALL PROCESS SET UP BEFORE FABRICATION START-UP

OPERATOR TRAINING

EMPHASIZE KEY PROCESS OR CRITICAL PROCESS SET UP

```
                                    ┌──────────────────────────────────────┐
                                    │ TNFE GENERATES ONE COMPLETE SET OF    │
                                    │ DATAFILE PLOT-OUTS.                    │
                                    └──────────────────────────────────────┘
                                                     │
                                                     ▼
                                    ┌──────────────────────────────────────┐
                                    │ TNFE VERIFIES THE SUPPLIER'S CAM PLOT  │
                                    │ BY USING TNFE'S OWN PLOT TO CHECK FOR  │
                                    │ ERRORS.                                │
                                    └──────────────────────────────────────┘
                                                     │
                                                     ▼
┌─────────────────────┐             ┌──────────────────────────────────────┐
│ PREPRODUCTION       │             │ CHECK & APPROVE WORKING ARTWORK.       │
│ ENGINEERING         │             └──────────────────────────────────────┘
└─────────────────────┘                              │
                                                     ▼
                                    ┌──────────────────────────────────────┐
                                    │ CHECK DRILL PROGRAM ON PHYSICAL        │
                                    │ DRILLED SAMPLE FOR HOLE SIZE, HOLE     │
                                    │ LOCATION & ANY MISSING HOLES.          │
                                    └──────────────────────────────────────┘
                                                     │
                                                     ▼
                                    ┌──────────────────────────────────────┐
                                    │ CHECK & APPROVE PLATING FIXTURE TO     │
                                    │ GUARANTEE NO MISSING TEST POINTS.      │
                                    └──────────────────────────────────────┘
```

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                                    ┌──────────────────────────────────────┐
                                    │           DRILLING QUALITY             │
                                    └──────────────────────────────────────┘
                                                     │
                                                     ▼
                                    ┌──────────────────────────────────────┐
                                    │          BACKLIGHT TESTING             │
                                    └──────────────────────────────────────┘
                                                     │
                                                     ▼
┌─────────────────────┐             ┌──────────────────────────────────────┐
│ SAMPLE ORDER        │             │          PLATING THICKNESS             │
└─────────────────────┘             └──────────────────────────────────────┘
                                                     │
                                                     ▼
                                    ┌──────────────────────────────────────┐
                                    │          PLATING ADHESION              │
                                    └──────────────────────────────────────┘
                                                     │
                                                     ▼
                                    ┌──────────────────────────────────────┐
                                    │            REGISTRATION                │
                                    └──────────────────────────────────────┘
                                                     │
                                                     ▼
                                    ┌──────────────────────────────────────┐
                                    │               ETC.                     │
                                    └──────────────────────────────────────┘
```

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┌─────────────────────┐             ┌──────────────────────────────────────┐
│ FINAL QUALITY       │             │ 100% INSPECTION & TESTING.  (SEE       │
│ INSPECTION          │             │ FLOWCHART FOR PROCEDURES FOR HANDLING  │
└─────────────────────┘             │ AN OLD PN)                             │
                                    └──────────────────────────────────────┘
```

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┌─────────────────────┐             ┌──────────────────────────────────────┐
│ SUMMARY &           │             │ REVIEW WITH SUPPLIER'S ENGINEERING, QC │
│ REVIEW              │             │ & PRODUCTION TO HIGHLIGHT PROBLEMS     │
└─────────────────────┘             │ DETECTED IN SAMPLING STAGE & ESTABLISH │
                                    │ AN IMPROVED PLAN FOR PHASING INTO      │
                                    │ PRODUCTION                             │
                                    └──────────────────────────────────────┘
```