



**BOOK OUTLINE**

1. THE CONSULTANT
2. OPERATIONS AUDIT
3. SURVEY AND REPORT
4. CLASSIC PRODUCTIVITY SYSTEMS
5. CASE STUDIES
6. YOUR PRODUCTIVITY EVALUATION
7. THE STANDARDS GUIDE - PCB INSERTION TIME VALUES
8. PACED ASSEMBLY WITH ROBOTIC WORK CELLS
9. STANDARD IMPLEMENTATION PROCEDURES
10. MATERIALS HANDLING SIZING AND COSTING DIALS
11. GRASP CONVEYOR SYSTEM CONFIGURATIONS
12. BIBLIOGRAPHY

**EXCERPT**  
MANUFACTURING JOB CREATION  
4. CLASSIC PRODUCTIVITY SYSTEMS  
4.32 PACED ASSEMBLY WITH ROBOTIC WORK CELLS  
MAKE YOUR ASSEMBLY FACTORY MORE EFFICIENT AND BRING BACK OUR ASSEMBLY WORK FROM CHINA

A 3D perspective diagram of a robotic work cell. It shows a rectangular table with several robotic arms or grippers mounted on it, arranged in a row. The diagram is rendered in a simple, wireframe style.

**CLASSIC PRODUCTIVITY SYSTEMS**  
For the assembly manufacturer or distribution center

- OPERATIONS AUDIT
- STANDARDS AND METHODS
- PACED ASSEMBLY W / WO ROBOTIC WORK CELLS
- GAIN SHARING
- PERFORMANCE BASED PAYMENT SYSTEMS
- STAFFING / THRUPUT ANALYSIS

**NEW BOOK**  
**“CLASSIC PRODUCTIVITY SYSTEMS**  
*for the assembly manufacturer or distribution center”*

There are two versions of the book: Rev A (280 pages) will contain JD Gray Associates’ generic industrial engineering proposals should your company seek outside expertise in your cost reduction endeavors. Rev B (245 pages) will not and is recommended for college study.

**CONTAINS QUIZ TO DETERMINE EXISTING EFFICIENCY**  
of an ASSEMBLY or PCB or DC OPERATION

**CONTAINS METHODOLOGY OF HOW TO USE STAFFING AGENCIES TO CUT THE COST OF INDUSTRIAL ENGINEERING SERVICES!**

**CONTAINS EXAMPLES OF PACED ASSEMBLY SYSTEMS, INDUSTRIAL ENGINEERED STANDARDS AND GAIN SHARING INCENTIVES!**

**CONTAINS STEP BY STEP PROCEDURE ON HOW TO PREPARE YOUR OWN MANUFACTURING OR DC OPERATIONS AUDIT!**