

2006 & 2007 CIP Progress

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NX Tooling



2006 CIP Top 10 Summary

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|-----|---|-----------------------------|
| 1. | Tooling: Tool Design Validation – motion simulation | Partial (NX 5) |
| | ▪ #20 in Design Ballot Results | |
| 2. | Tooling: Improve design change control | Partial (NX 5) |
| | ▪ #19 in Design Ballot Results | |
| 3. | Mold: Additional “Sewn” option for Parting | |
| | ▪ #22 in Design Ballot Results | |
| 4. | Tooling: Standard parts creation documentation | Completed (NX 6) |
| | ▪ #25 in Design Ballot Results | |
| 5. | Tooling: Cut pocket – multiple false body support | |
| | ▪ #24 in Design Ballot Results | |
| 6. | Tooling: Standard parts – positioning improvement | |
| 7. | Mold: Closing pressure estimation | |
| 8. | ProgDie: Integrate NX Sheet Metal | Completed (NX 5) |
| 9. | ProgDie: Unfolding with over-bend | Completed (NX 5 + 6) |
| 10. | ProgDie: Automate creation of custom punches | Partial (NX 6) |

Delivered / Partially Delivered
60% of requests within 2 years!!!

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2007 CIP Top 10 Summary

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|-----|--|-------------------------|
| 1. | Tooling: Standard parts – positioning improvement | |
| | ▪ #24 in Design Ballot Results | |
| 2. | Mold: Closing pressure estimation | |
| | ▪ #22 in Design Ballot Results | |
| 3. | Tooling: Standard parts dialog improvements | |
| | ▪ #20 in Design Ballot Results | |
| 4. | Mold: Automate multiple cavity mold within single work piece | Completed (NX 6) |
| 5. | Mold: Additional “Sewn” option for Parting | |
| | ▶ #19 in Design Ballot Results | |
| 6. | Tooling: Cut pocket – multiple false body support | |
| 7. | Mold: Trimming of fixed side ejectors | Completed (NX 6) |
| 8. | Mold: Slider design automation | Partial (NX 6) |
| 9. | Mold: Improve error reporting for parting surface definition | |
| 10. | Tooling: Standard parts creation documentation | Completed (NX 6) |
| 11. | <i>ProgDie: Streamline design of piercing punches for freeform parts</i> | <i>Completed (NX 6)</i> |
| | ▪ #25 in Design Ballot Results | |
| 12. | <i>ProgDie: Scrap design – section builder support</i> | <i>Completed (NX 6)</i> |
| 13. | <i>ProgDie: Generic split tool useful for punch design</i> | |

Delivered / Partially Delivered
40% of requests within first year!!!

THANK YOU