



Process optimization in Cutting Room



MD COP

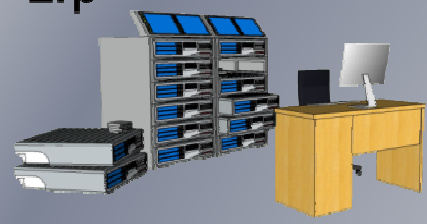
MD COP is a software which analyzes the Cut orders and helps you to find the best solution for nesting, spreading and cutting

MD COP automatically generates an optimal cut plan by mixing products, styles and sizes based on actual orders and fabric inventory

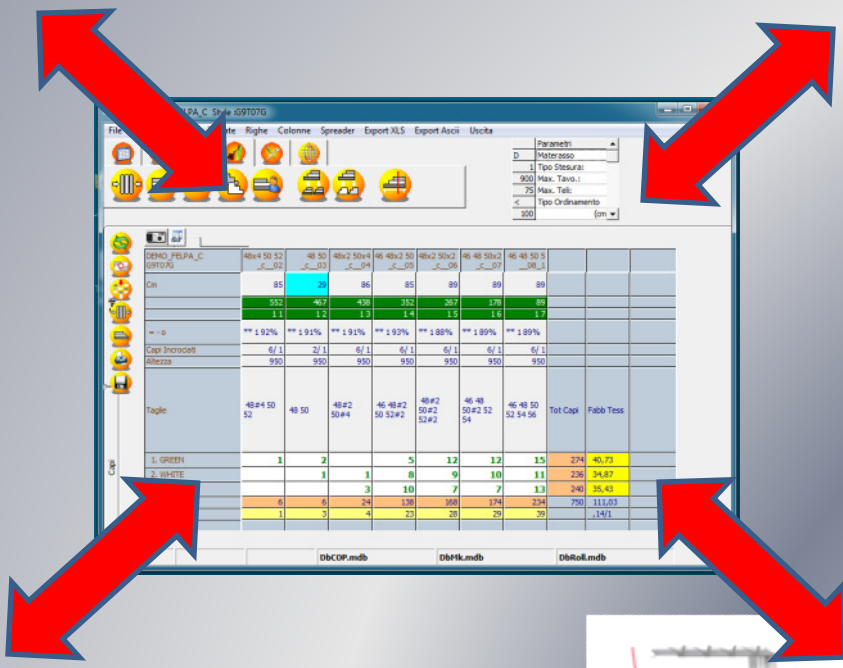
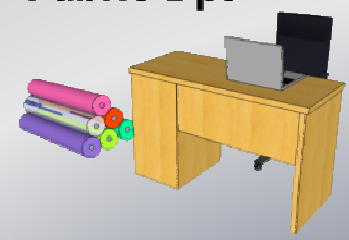


MD COP bridges the gap between the ERP and the CAD systems

Erp



Fabric Dpt

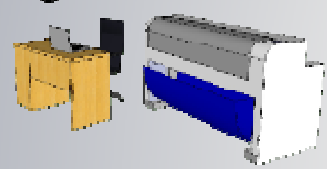


| | 48x4 50 52 | 48 50 | 48x2 50x4 | 46 48x2 50 | 48x2 50x2 | 46 48 50x2 | 46 48 50 5 |
|---------------|------------|----------|-----------|------------|-----------|------------|------------|
| | _C_02 | _C_03 | _C_04 | _C_05 | _C_06 | _C_07 | _08_1 |
| DEM0_PELPA_C | | | | | | | |
| Offi | 85 | 26 | 86 | 85 | 89 | 89 | |
| | 532 | 467 | 438 | 352 | 267 | 178 | 89 |
| | 1.1 | 1.2 | 1.3 | 1.4 | 1.5 | 1.6 | 1.7 |
| --o | ** 1.92% | ** 1.91% | ** 1.91% | ** 1.93% | ** 1.88% | ** 1.89% | ** 1.89% |
| Capl Incontro | 6/1 | 2/1 | 6/1 | 6/1 | 6/1 | 6/1 | 6/1 |
| Altezza | 950 | 950 | 950 | 950 | 950 | 950 | 950 |
| Taglie | 48x4 50 | 48 50 | 48x2 | 46 48x2 | 48x2 | 46 48 | Tot Capl |
| | 52 | 50#4 | 50 52#2 | 50#2 | 50#2 52 | 52#2 54 | Fabb Tess |
| 3. GREEN | 1 | 2 | 5 | 12 | 12 | 15 | 274 40.73 |
| 3. WHITE | 1 | 1 | 8 | 9 | 10 | 11 | 236 34.87 |
| | 6 | 3 | 10 | 7 | 7 | 13 | 240 35.43 |
| | 1 | 3 | 4 | 23 | 20 | 25 | 750 111.03 |
| | | | | | | | 1411 |

Cad



Plotting





MD COP Benefits

- ✓ Increased Productivity and Management of the cutting room.
 - ✓ Database Interface with ERP (Management Solutions)
 - ✓ Increased Productivity in CAD Department
 - ✓ Accurate calculations for Fabric Consumption - Improved Fabric Management and Purchasing
 - ✓ Customized Reporting
 - ✓ Data Analysis
 - ✓ Interface with "Morgan Analytics"
 - ✓ Fully Integrated with all Morgan Tecnica Equipment (Spreaders, Labellers and Cutters)
- **FABRIC SAVE, calculated in factories using MD COP from 3% to 7%.**

SAVE FABRIC – SAVE TIME – SAVE MONEY



Process steps of a Cut order with MD COP

Downloading of a Cut order from ERP

Order analysis

New markers selection

Markers elaboration (CAD)

Consumption data capture

Lay definition

Time and cost definition

Productions documents release

Send to Cutting Room

| Material | Quantity | Unit | Weight | Volume | Area | Perimeter | Length | Width | Height | Thickness | Color | Notes |
|----------|----------|------|--------|--------|------|-----------|--------|-------|--------|-----------|-------|-------|
| 101 | 100 | m | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | |
| 102 | 200 | m | 200 | 200 | 200 | 200 | 200 | 200 | 200 | 200 | 200 | |
| 103 | 300 | m | 300 | 300 | 300 | 300 | 300 | 300 | 300 | 300 | 300 | |
| 104 | 400 | m | 400 | 400 | 400 | 400 | 400 | 400 | 400 | 400 | 400 | |
| 105 | 500 | m | 500 | 500 | 500 | 500 | 500 | 500 | 500 | 500 | 500 | |

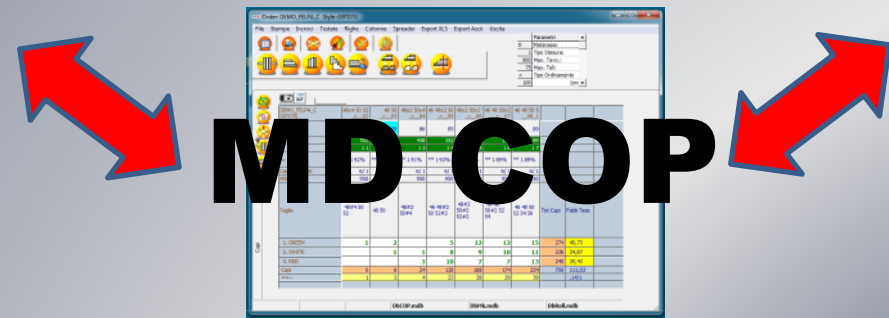
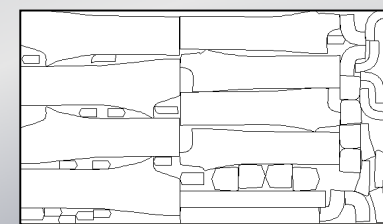


Process steps of a Cut order with MD COP

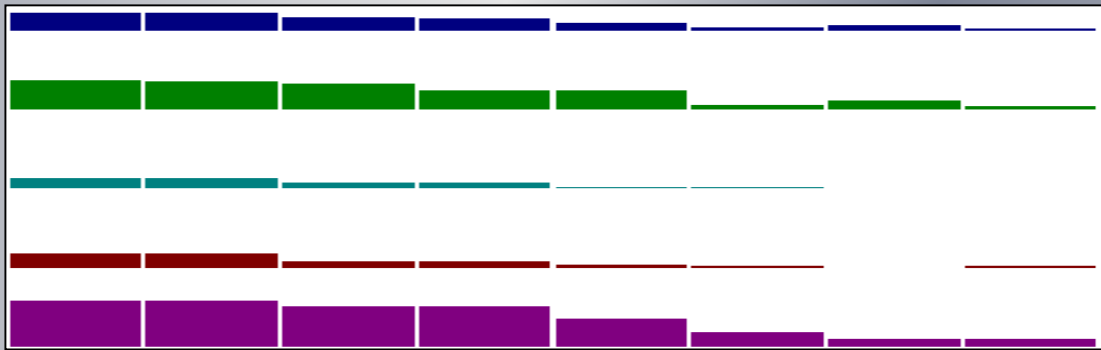
Cutting Order

| order1 style1 | 42 | 44 | 46 | 48 | 50 | 52 | 54 | 58 | |
|---------------|-----|-----|-----|-----|-----|-----|-----|-----|-----|
| Cm | 101 | 102 | 103 | 104 | 105 | 106 | 107 | 108 | |
| | 101 | 203 | 306 | 410 | 515 | 621 | 728 | 836 | |
| | 1.1 | 1.2 | 1.3 | 1.4 | 1.5 | 1.6 | 1.7 | 1.8 | |
| red | 4 | 6 | 11 | 15 | 15 | 10 | 2 | 1 | 64 |
| blue | 7 | 16 | 22 | 24 | 25 | 16 | 3 | 2 | 115 |
| yellow | | 1 | 4 | 8 | 8 | 4 | 1 | | 26 |
| green | | 2 | 5 | 12 | 12 | 5 | 1 | 1 | 38 |
| black | 6 | 24 | 35 | 40 | 40 | 35 | 12 | 6 | 198 |
| | 17 | 49 | 77 | 99 | 100 | 70 | 19 | 10 | 441 |

Markers (Cad)



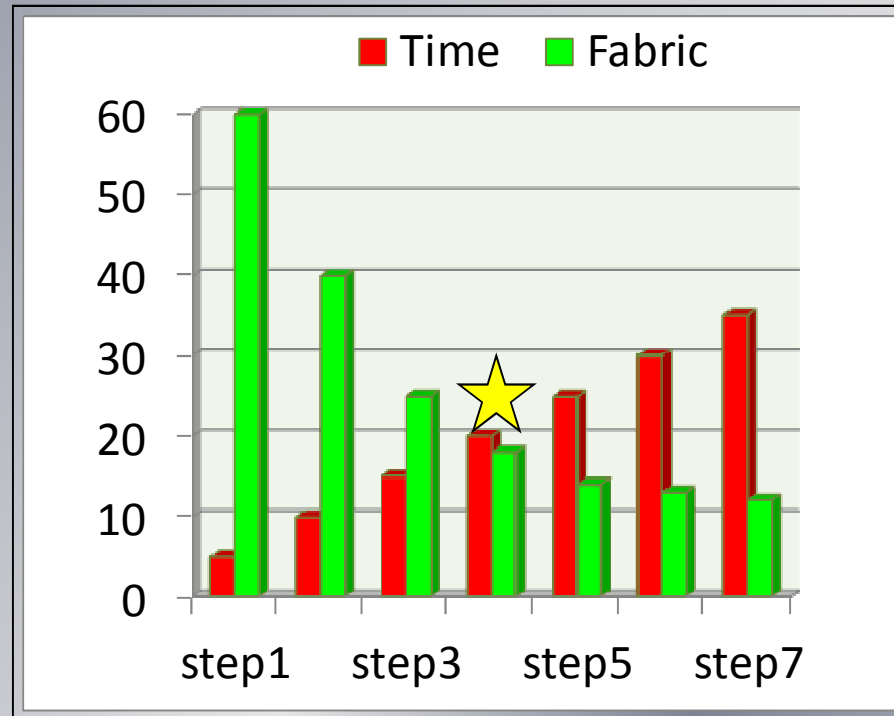
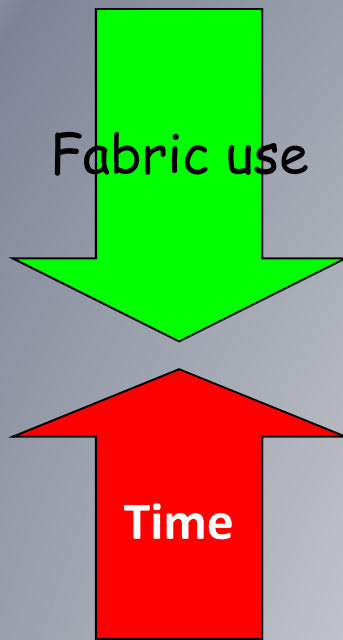
MD COP



Spreading and cutting instructions



MD COP Result

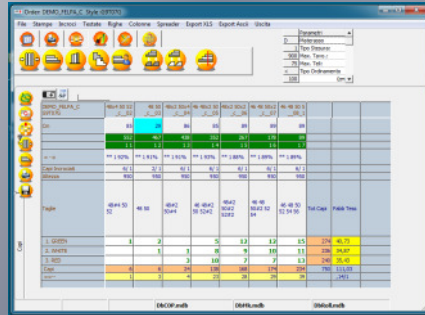


Finding a balance between fabric saving and time saving

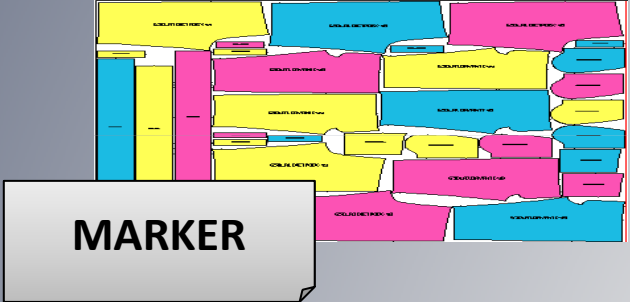
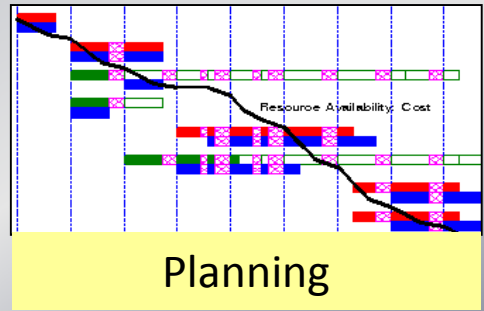
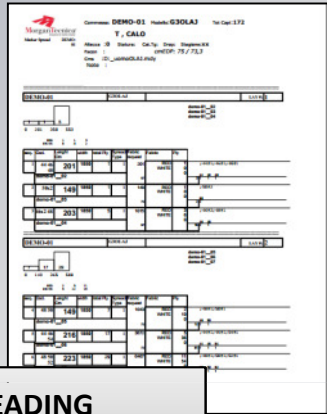
SAVE FABRIC – SAVE TIME – SAVE MONEY



MD COP Target



FABRIC



SPREADING INSTRUCTIONS

FEED BACK

Integrated management of:

- ✓ Documents
- ✓ Activities
- ✓ Production flow

BY ERROR FREE PROCEDURE

SAVE FABRIC – SAVE TIME – SAVE MONEY





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