

# The CAD/CAM Partnership

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## *A Review of Examples from the Introduction User Guide*

| Page | Example                              | Introduces/illustrates...  |
|------|--------------------------------------|--|
| 2.1  | Block, Crankshaft, Piston and Conrod | Simple Sketches and Part creation<br>Modifying a Part  |
| 2.10 | Engine_assy                          | Assembly of Components and defining Constraints  |
| 5.8  |                                      | Creating Views of assembly configurations via Scenes   |
| 6.5  |                                      | Creating and managing External References  |
| 6.16 |                                      | Creating a new Part with a specific origin point in an assembly  |
| 2.13 | Crankshaft                           | Creating a new drawing sheet and defining views<br>Defining dimensions and adding annotation   |
| 5.2  |                                      | Creating a sheet frame and title block with a company logo   |
| 3.1  | Plate                                | Defining geometrical constraints within a Sketch   |
| 4.1  | Planar_Bracket                       | Creating a prismatic solid with non-orthogonal faces   |
| 4.7  | Suspension_Bracket                   | Creating a new Body and managing the Specification tree<br>'Boolean' operations, particularly the use of Intersect<br>Defining fillets, and 'automatic dimensioning' of draw views |
| 4.29 |                                      | Repeating instances of a Hole via a User Pattern   |
| 3.7  | Handbrake                            | Defining known dimensions as the Sketch is constructed<br>Variable radius Fillets, and the Union Trim operation  |
| 4.15 |                                      | Using the Shell operation to define thin plate parts<br>The concept of the In Work Object  |
| 4.24 | Plate2                               | Rectangular and user defined Patterns of objects   |
| 4.31 | Car_wheel                            | Circular Patterns, and Holes in non-planar faces   |
| 4.34 | Car_wheel_assy                       | Retrieving a standard Part from a Catalog<br>Positioning a Part in an assembly with respect to mating Parts  |
| 4.36 | Car_wheels                           | Moving a (sub-assembly) component within an assembly<br>Creating symmetrical instances of components within an assembly  |
| 6.10 | Crankshaft4                          | Duplicating Parts within a master Part   |
| 6.12 | Engine_assy4                         | Duplicating Components within an assembly<br>Changing referenced Parts   |
| 7.5  |                                      | Working with V4 Data   |