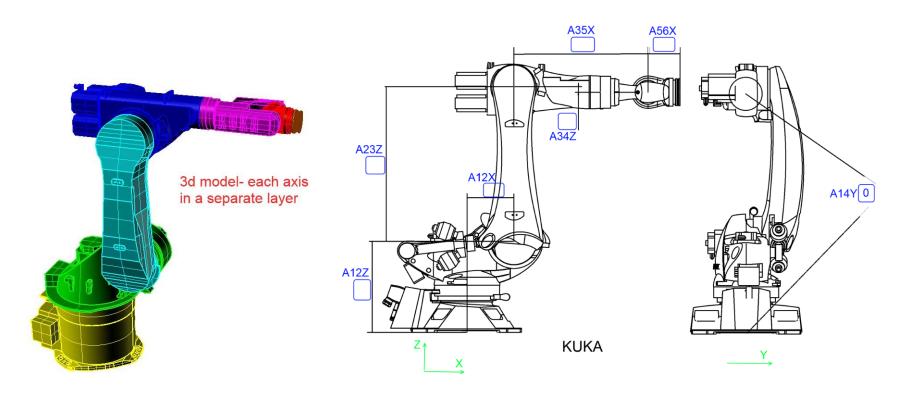


How to create new XML description in SprutCAM Robot

(example for KUKA robot)

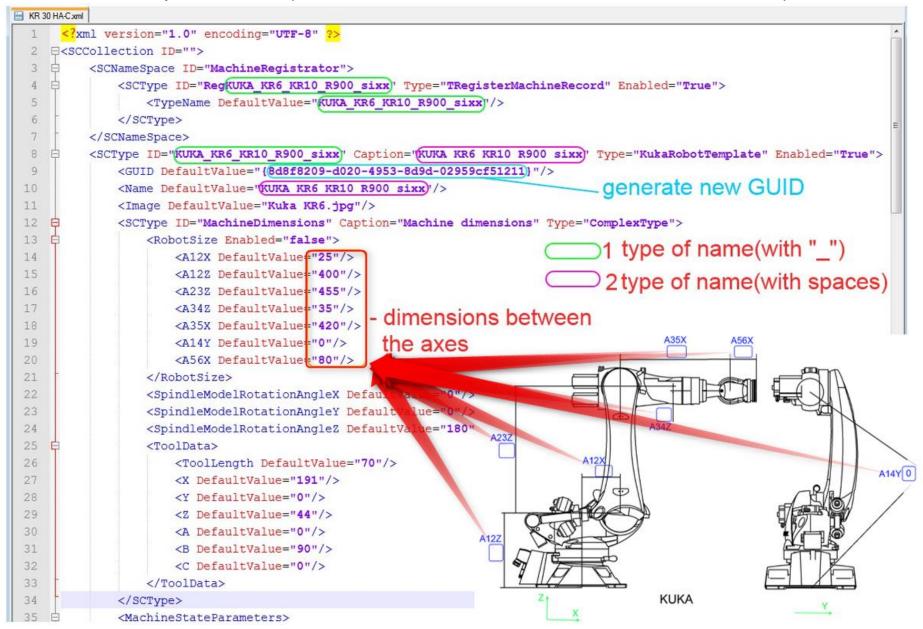
STEP 1 - Create new file *.XML

By an example from 'C:\Documents and Settings\All Users\Application Data\Sprut Technology\SprutCAM\Version 10\Machines\Schemas\Robots' folder



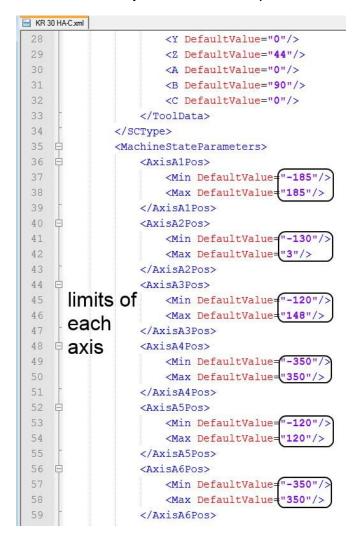


STEP 2 – Update XML (add names and dimensions between the axes)





STEP 2 – Update XML (add limits of each asix and new GUID)



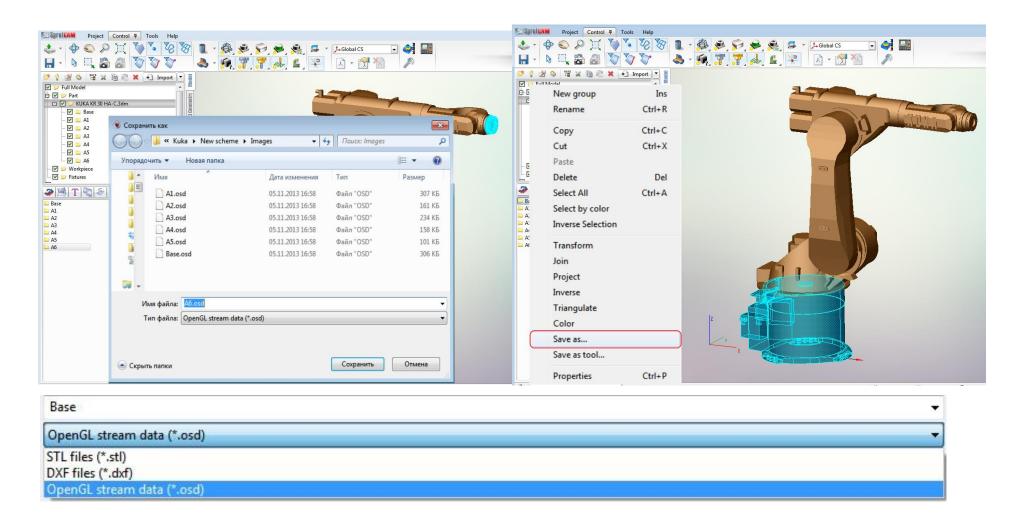
low many GU	IDs do you want (1-2000): 1	
12_7	{} Braces:	53	
Generate	some GUID		
Conorato	001110 00112		
Results:			
	523-4061-af0a	-7fc610f9a0	74
d38411d4-7			

do not guarantee uniqueness!



STEP 3 – Create new OSD files by 3D model of robot

- a) Import robot into SprutCAM
- b) Save each axis into separate file *.osd



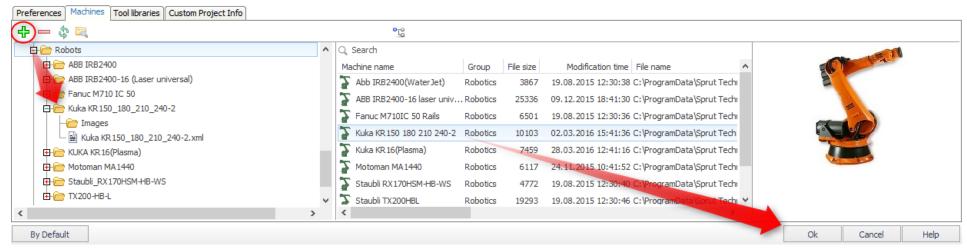


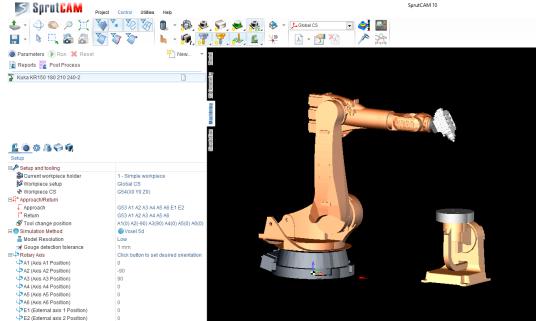
STEP 4 – update OSD files in the XML

```
KR 30 HA-C.xml
                   </ExtAxis2Pos-->
 73
 74
               </MachineStateParameters>
 75
               <Schema>
 76
                   <Rails1>
 77
                       <Rails2>
 78
                           <Rails3>
 79
                               <RobotFrame Caption="Robot frame">
 80
                                    <ImageFile DefaultValue="Images\Base.osd"/>
 81
                                    <AxisA1>
 82
                                        <ImageFile DefaultValue="Images\A1.osd"/</pre>
 83
                                        <AxisA2>
                                            <ImageFile DefaultValue="Images\A2.osd"/>
 84
                                            <AxisA3>
 85
                                                ImageFile DefaultValue="Images\A3.osd"/>
 86
                                                <AxisA4>
 87
                                                    <ImageFile DefaultValue=('Images\A4.osd"/)</pre>
                 in these files were
 89
                 saved axis A1-A6,
 90
                                                         <ImageFile DefaultValue="Images\A5.osd"/>
 91
                                                         <AxisA6>
                 base.
                                                            <ImageFile DefaultValue="Images\A6.osd"/>
 92
 93
                                                             <ToolBlockSelector>
 94
                                                                 <activeNode DefaultValue="ToolBlock"/>
 95
                                                                 <ToolBlock>
                  toolhead
                                                                     <ImageFile DefaultValue="Images\ToolHead.osd"/>
 96
                                                                 </ToolBlock>
 97
 98
                                                            </ToolBlockSelector>
 99
                                                        </AxisA6>
100
                                                    </AxisA5>
                                                </AxisA4>
101
102
                                            </AxisA3>
103
                                        </AxisA2>
104
                                   </AxisA1>
105
                               </RobotFrame>
106
                           </Rails3>
107
                       </Rails2>
```



STEP 5 – Add new XML file to machine list (<u>Details...</u>)



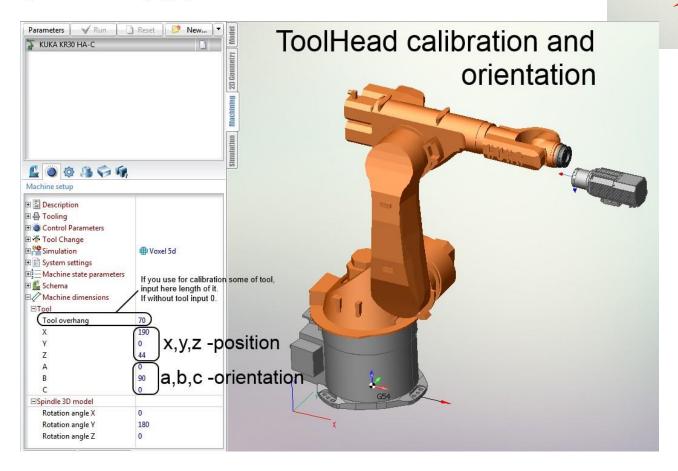


Now you can use new robot.



STEP 6 – If you need to replace ToolHead

-import into SprutCAM 3d model, save *.osd file (name .osd file you have in xml)





STEP 6 – If you need to replace ToolHead

