Program generation

Via the program generation you can define where the program should be filed, the appearance of the directory structure and how the programs should be named.

We have attempted to keep the content of the document complete, accurate and under permanent review.
However, due to the continuous development of described software, it is not possible to guarantee up to date and accurate information, integrity or quality of the content at all times.
As far as we are able to detect errors or omissions or those, which have been reported to us, our attempt is to correct these with the following versions.
imos is not responsible for any direct or indirect damages caused by the use or non-use of the presented information or through the use of faulty and incomplete information. The descriptions in this document can be changed at any time without prior notice.

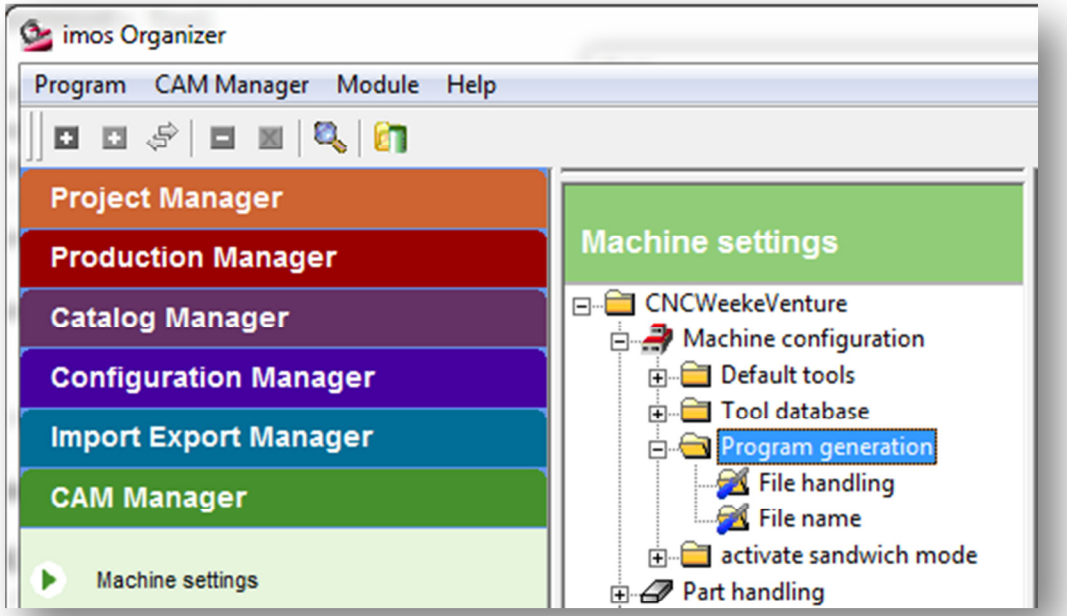
Creation date: June 2015
Used Version: 12.0; Standard CAM Installation mit einer CNC Weeke Venture Maschine

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1. Navigation

The program generation is in the CAM Manager under **machine configuration.**

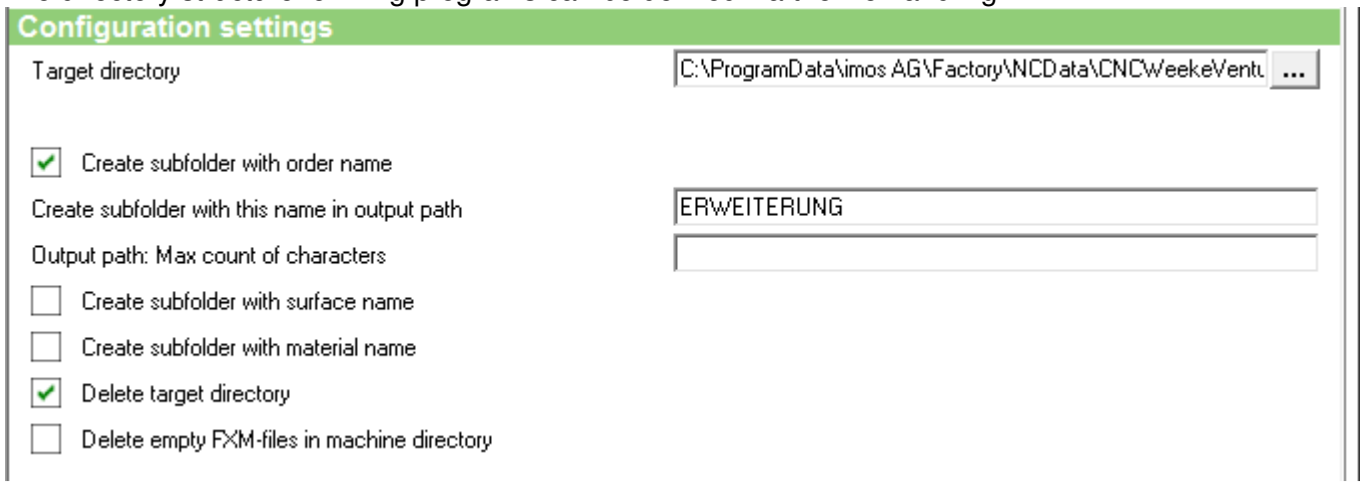


Program generation in the CAM Manager

2. Configuration settings

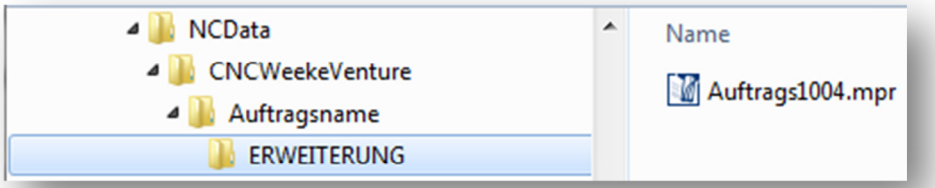
2.1 File handling

The directory structure for filing programs can be defined via the file handling.



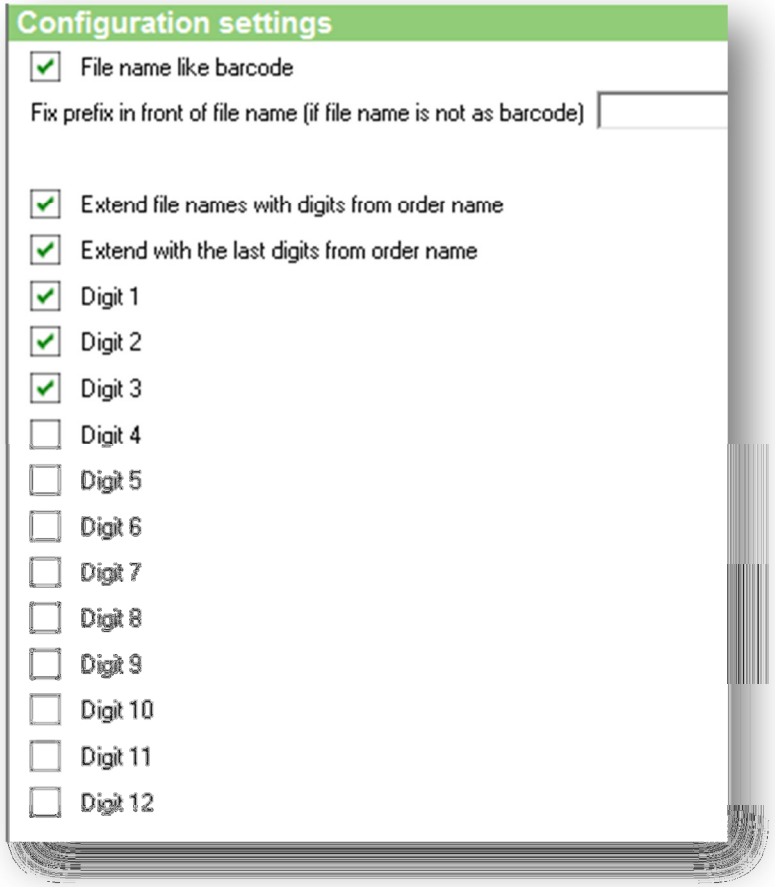
Following functions are available:

Description	Explanation
Target directory	Defines the directory in which the CNC Programs are filed. (e.g. directory of the machine)
Create subfolder with order name	With an activated checkbox a subfolder with the name of the imos order is created in the target directory.
Output path: max. count of characters	If a name is defined here, then a subfolder with this name is created in the target directory.

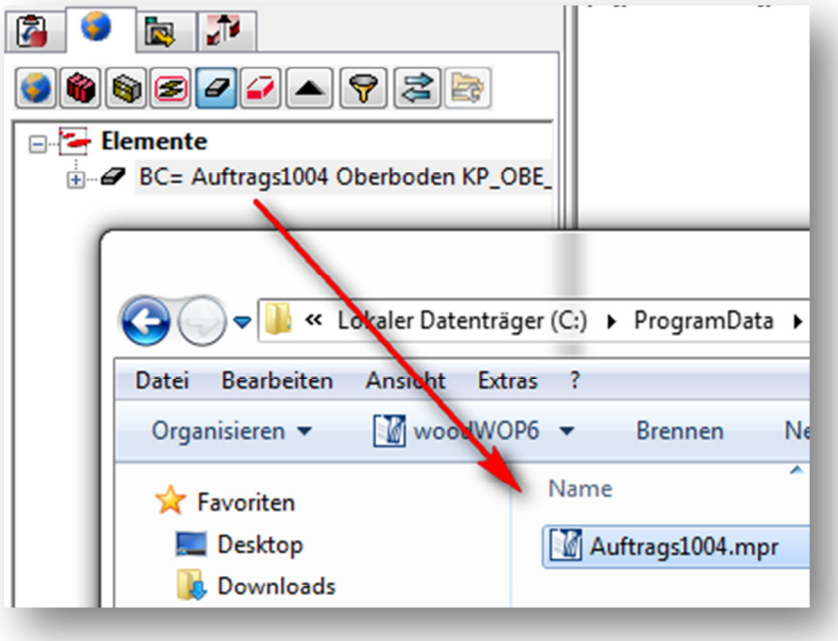
	If the function **create subfolder with order name** is activated as well as entering a name, then a further subfolder, which has the entered name, is created in the subdirectory with the name of the order here. 
Create subfolder with surface name	With an activated checkbox a subfolder with the name of the respective surface is created in the target directory to file the programs.
Create subfolder with material name	With an activated checkbox a subfolder with the name of the respective material is created in the target directory to file the programs.
Delete target directory	With an activated checkbox the target directory is deleted before each program generation.
Delete empty FXM files in machine directory	With an activated checkbox the FXM files without machinings are deleted in the Imorder directory.

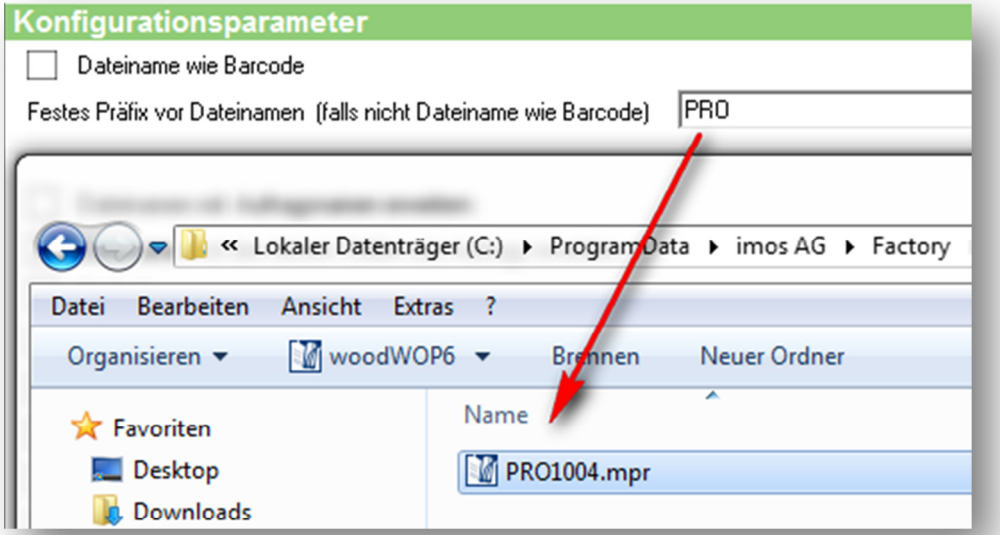
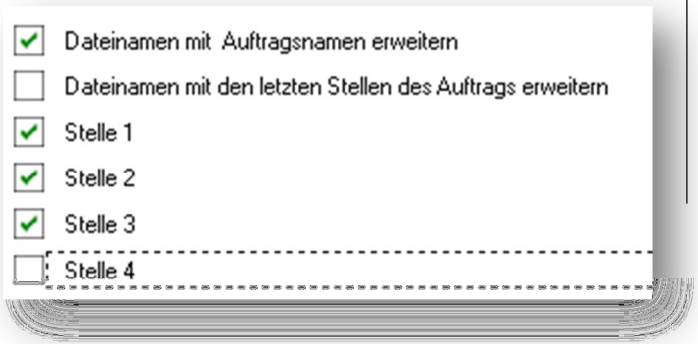
2.2 File names

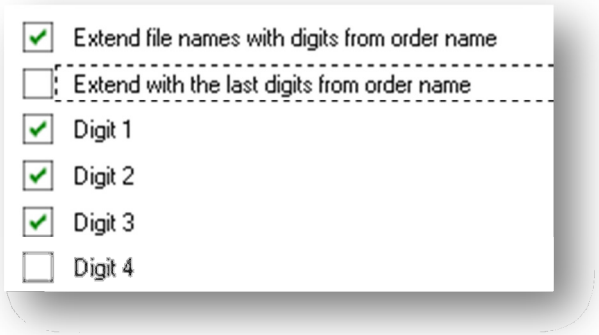
The elements for writing the program name can be defined via the configuration in the **file names**.



Description	Explanation
File name like barcode	With an activated checkbox the program is named after the part in imos.



Description	Explanation
Fix prefix in front of file name	If a name is written in the text field, then this name is used as the prefix in front of the NC-Number of the part when naming. 
Extend file names with digits from order name	An activated checkbox and deactivated checkbox with **file name as barcode** enables to extend the NC-Number with the order name by applying the digits 1-12. **Example:** The order is named **imosCAM** and the **digits 1-3** are activated, then the program name of the part 1001 is **imo1001**. 

Description	Explanation
Extend with last digits from order name	If the checkboxes **extend with last digits from order name** and **extend file name with order names** are activated, then the last digits of the order name for naming the program can be configured. The last digit is always 1, the second last is the digit 2 etc. **Example:** The order is named **imosCAM** and the **digits 1-3** are activated, then the program name of the part 1001 is **CAM1001**. 
Digit 1- 12	The checkboxes define the extension of the order names in combination with the configuration for **extend file name with order names** and **extend with the last digits from order name**.