Sommario

DC10DoubleFlyC

D = *Device(camming2,camming3, camming4)*

C = *Calculation functions*

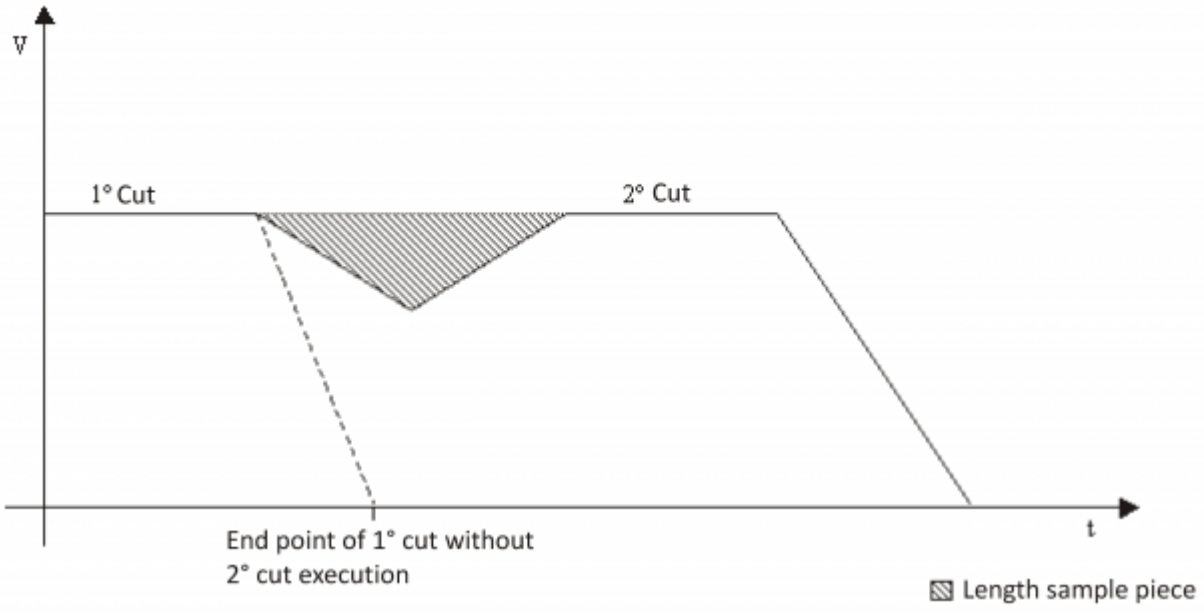
The DC10DoubleFlyC function executes the calculations and dynamically updates the cam sectors, for execute a *second cut during the flying cut (pickup cut sample piece)*. The parameters to pass to the function are: the length of the “sample” piece and the space of the carriage (slave) after the first cut, within which you want to conclude the second cut.
The function can only be used after you have used the DC1xFlyCut or DC2xFlyCut function for the construction of the cam provider manage the flying cut.
If the cut is not physically possible with the set parameters, the function returns the “Error” parameter the type of error occurred.

IMPLEMENTATION

DC10DoubFlyC(Cam, Param, SpazioSMin, Error)

Parameters:

IN/OUT	VARIABLE TYPE	EXAMPLE NAME	DIM	
IN	CAMMING2 CAMMING3 CAMMING4	Cam		Device name used
IN	ARRSYS	Param[1]	L	Workpiece sample length (UM)
IN	ARRSYS	Param[2]	L	Slave Space (of carriage) after the 1° cut to execute the 2° cut (UM)
OUT	SYSTEM	SpazioSMin	L	Minimum space required to execute the 2° cut (UM)
OUT	SYSTEM	Error	B	Cam error's variable



Error

After calling the function, if there are any errors the error variable assumes certain values, the meaning of these values is summarized below:
0: No errors
1: “Maxvel” parameter of thee device equal to 0
2: “Workpiece length sample” parameter equal to 0
3: “Slave Space 2° cut” parameter equalo to 0
4: Incorrect device resolution
5: Space needed to cut higher than set (minimum space needed reported on “SpazioSMin”)

Example of use

An example of using the function is as follows:

```
...

Param[1] = 2000     ;Workpiece sample length (UM)
Param[2] = 10000    ;Space for 2° cut (UM)

DC10DoubFlyC(Cam, Param, SpazioSMin, Error)

...
```

Operation notes

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This function should only be used if the cam was created with the dc1xFlyCut or dc2xFlyCut functions.
*The second cut is made in a manner similar to the first, referring to all the settling time or extra-speed set on the first.
*The function locks the task in which it is submitted until you have completed the second cut, You should therefore not be
included in a task to be executed at every logical turn. You may want to create a new specific task.
```