UF_PATH_create_auxfun (view source)

Defined in: uf_path.h

Overview

This function allows the creation of post command AUXFUN/. The appended text is optional. If "text" is NULL then no appended text appears.

Environment

Internal and External

```
int UF_PATH_create_auxfun
(
    UF_PATH_id_t path_id,
    int auxfun_code,
    const char * text
)
```

UF_PATH_id_t	path_id	Input	The path id for this event
int	auxfun_code	Input	Auxfun value
const char *	text	Input	The post command appended text

UF_PATH_create_circular_motion (view source)

Defined in: uf_path.h

Overview

This function allows the creation of circular motion (CIRCLE/).

Environment

Internal and External

```
int UF_PATH_create_circular_motion
(
    UF_PATH_id_t path_id,
    UF_PATH_circular_motion_t * circular_motion_data
)
```

UF_PATH_id_t	path_id	Input	Path to perform action on
UF_PATH_circular_motion_t *	circular_motion_data	Input	Structure defining the circular motion.

UF_PATH_create_clamp (view source)

Defined in: uf_path.h

Overview

This function allows the creation of post command CLAMP/. The appended text is optional. If "text" is NULL then no appended test appears.

Environment

Internal and External

```
int UF_PATH_create_clamp
(
    UF_PATH_id_t path_id,
    UF_PATH_clamp_status_t clamp_status,
    UF_PATH_axis_t axis_type,
    const char * text
)
```

UF_PATH_id_t	path_id	Input	The path id for this event
UF_PATH_clamp_status_t	clamp_status	Input	The clamp status.
UF_PATH_axis_t	axis_type	Input	The axis type.
const char *	text	Input	The post command appended text

UF_PATH_create_contact_circular_motion (view source)

Defined in: uf_path.h

Overview

This function creates a contact circular motion.

Environment

Internal and External

```
int UF_PATH_create_contact_circular_motion
(
    UF_PATH_id_t path_id,
    UF_PATH_circular_motion_t * motion_data,
    UF_PATH_contact_data_t * contact_data
)
```

```
UF_PATH_id_t path_id

UF_PATH_circular_motion_t * motion_data

UF_PATH_contact_data_t * contact_data
```

UF_PATH_create_contact_linear_motion (view source)

Defined in: uf_path.h

Overview

This function creates a contact linear motion.

Environment

Internal and External

```
int UF_PATH_create_contact_linear_motion
(
    UF_PATH_id_t path_id,
    UF_PATH_linear_motion_t * linear_motion_data,
    UF_PATH_contact_data_t * contact_data
)
```

```
UF_PATH_id_t path_id

UF_PATH_linear_motion_t * linear_motion_data

UF_PATH_contact_data_t * contact_data
```

UF_PATH_create_coolant_off (view source)

Defined in: uf_path.h

Overview

This function allows the creation of post command COOLNT/OFF. The appended text is optional. If "text" is NULL then no appended text appears.

Environment

Internal and External

```
int UF_PATH_create_coolant_off
(
    UF_PATH_id_t paht_id,
    const char * text
)
```

UF_PATH_id_t	paht_id	Input	The path id for this event
const char *	text	Input	The post command appended text

UF_PATH_create_coolant_on (view source)

Defined in: uf_path.h

Overview

This function allows the creation of post command COOLNT/.

Environment

Internal and External

```
int UF_PATH_create_coolant_on
(
    UF_PATH_id_t path_id,
    UF_PATH_coolant_type_t coolant_type,
    const char * text
)
```

UF_PATH_id_t	path_id	Input	The path id for this event
UF_PATH_coolant_type_t	coolant_type	Input	The coolant type.
const char *	text	Input	The post command appended text

UF_PATH_create_cut_wire (view source)

Defined in: uf_path.h

Overview

This function allows the creation of post command UNLOAD/WIRE. The appended text is optional. If "text" is NULL then no appended text appears.

Environment

Internal and External

```
int UF_PATH_create_cut_wire
(
    UF_PATH_id_t path_id,
    const char * text
)
```

UF_PATH_id_t	path_id	Input	The path id for this event
const char *	text	Input	The post command appended text

UF_PATH_create_cutcom (view source)

Defined in: uf_path.h

Overview

This function allows the creation of post command CUTCOM/. The appended text is optional. If "text" is NULL then no appended text appears.

Environment

```
int UF_PATH_create_cutcom
(
    UF_PATH_id_t path_id,
    UF_PATH_cutcom_t * cutcom_data,
    const char * text
)
```

UF_PATH_id_t	path_id	Input	The path id for this event
UF_PATH_cutcom_t *	cutcom_data	Input	Structure specifying the cutcom data.
const char *	text	Input	The post command appended text

UF_PATH_create_dwell (view source)

Defined in: uf_path.h

Overview

This function allows the creation of post command DELAY/. The appended text is optional. If "text" is NULL then no appended text appears.

Environment

Internal and External

```
int UF_PATH_create_dwell
(
    UF_PATH_id_t path_id,
    double dwell_value,
    UF_PATH_dwell_unit_t dwell_unit,
    const char * text
)
```

UF_PATH_id_t	path_id	Input	The path id for this event
double	dwell_value	Input	Amount of delay
UF_PATH_dwell_unit_t	dwell_unit	Input	The units to use for the delay.
const char *	text	Input	The post command appended text

UF_PATH_create_fedrat (view source)

Defined in: uf_path.h

Overview

This function allows the creation of the post command FEDRAT/. The appended text is optional. If "text" is NULL then no appended text appears.

Environment

```
int UF_PATH_create_fedrat
(
    UF_PATH_id_t path_id,
    double fedrat_value,
    const char * text
)
```

UF_PATH_id_t	path_id	Input	The path id for this event
double	fedrat_value	Input	Feed rate value
const char *	text	Input	The post command appended text

UF_PATH_create_flush (view source)

Defined in: uf_path.h

Overview

This function allows the creation of post command FLUSH/. The appended text is optional. If "text" is NULL then no appended text appears.

Environment

Internal and External

```
int UF_PATH_create_flush
(
    UF_PATH_id_t path_id,
    UF_PATH_flush_t * flush_data,
    const char * text
)
```

UF_PATH_id_t	path_id	Input	The path id for this event
UF_PATH_flush_t *	flush_data	Input	The flush data.
const char *	text	Input	The post command appended text

UF_PATH_create_flush_tank (view source)

Defined in: uf_path.h

Overview

This function allows the creation of post command FLUSH/IN. The appended text is optional. If "text" is NULL then no appended text appears.

Environment

```
int UF_PATH_create_flush_tank
(
    UF_PATH_id_t path_id,
    UF_PATH_tank_type_t tank_type,
    const char * text
)
```

UF_PATH_id_t	path_id	Input	The path id for this event
UF_PATH_tank_type_t	tank_type	Input	Specifies the tank type.
const char *	text	Input	The post command appended text

UF_PATH_create_helical_motion (view source)

Defined in: uf_path.h

Overview

This function allows the creation of helical motion (CIRCLE/....,TIMES).

Environment

Internal and External

```
int UF_PATH_create_helical_motion
(
    UF_PATH_id_t path_id,
    UF_PATH_helical_motion_t * helical_motion_data
)
```

UF_PATH_id_t	path_id	Input	Path to perform action on
UF_PATH_helical_motion_t *	helical_motion_data	Input	Structure defining the helical motion.

UF_PATH_create_level_marker (view source)

Defined in: uf_path.h

Overview

This function allows the creation of level marker.

Environment

```
int UF_PATH_create_level_marker
```

```
UF_PATH_id_t path_id,
UF_PATH_level_marker_t * level_marker_data
)
```

UF_PATH_id_t	path_id	Input	Path to perform action on
UF_PATH_level_marker_t *	level_marker_data	Input	Structure specifying the level marker data

UF_PATH_create_linear_motion (view source)

Defined in: uf_path.h

Overview

This function allows the creation of linear motion(GOTO/).

Environment

Internal and External

```
int UF_PATH_create_linear_motion
(
    UF_PATH_id_t path_id,
    UF_PATH_linear_motion_t * linear_motion_data
)
```

```
UF_PATH_id_t path_id Input Path to perform action on

UF_PATH_linear_motion_t * linear_motion_data Input Structure specifying the linear motion
```

UF_PATH_create_op_skip (view source)

Defined in: uf_path.h

Overview

This function allows the creation of post comand OPSKIP/. The appended text is optional. If "text" is NULL then no appended text appears.

Environment

Internal and External

```
int UF_PATH_create_op_skip
(
    UF_PATH_id_t path_id,
    UF_PATH_op_skip_t skip_option,
    const char * text
)
```

UF_PATH_id_t path_id Input The path id for this event

UF_PATH_op_skip_t	skip_option	Input	The skip option.
const char *	text	Input	The post command appended text

UF_PATH_create_op_stop (view source)

Defined in: uf_path.h

Overview

This function allows the creation of post command OPSTOP. The appended text is optional. If "text" is NULL then no appended text appears.

Environment

Internal and External

```
int UF_PATH_create_op_stop
(
    UF_PATH_id_t path_id,
    const char * text
)
```

UF_PATH_id_t	path_id	Input	The path id for this event
const char *	text	Input	The post command appended text

UF_PATH_create_opmessage (view source)

Defined in: uf_path.h

Overview

This function allows the creation of the post command DISPLY/.

Environment

```
int UF_PATH_create_opmessage
(
    UF_PATH_id_t path_id,
    const char* text
)
```

UF_PATH_id_t	path_id	Input	The path id for this event
const char*	text	Input	The text to output to the operator.

UF_PATH_create_origin (view source)

Defined in: uf_path.h

Overview

This function allows the creation of the post command ORIGIN/. The appended text is optional. If 'text' is NULL then no appended text appears.

Environment

Internal and External

```
int UF_PATH_create_origin
(
    UF_PATH_id_t path_id,
    const double origin_coordinates [ 3 ],
    const char * text
)
```

UF_PATH_id_t	path_id	Input	The path id for this event
const double	origin_coordinates [3]	Input	The origin x/y/z
const char *	text	Input	The post command appended text

UF_PATH_create_power (view source)

Defined in: uf_path.h

Overview

This function allows the creation of post command POWER/. The appended text is optional. If "text" is NULL then no appended text appears.

Environment

```
int UF_PATH_create_power
(
    UF_PATH_id_t path_id,
    double power_value,
    const char * text
)
```

UF_PATH_id_t	path_id	Input	The path id for this event
double	power_value	Input	Value of the power register
const char *	text	Input	The post command appended text

UF_PATH_create_pprint (view source)

Defined in: uf_path.h

Overview

This function allows the creation of post command PPRINT/.

Environment

Internal and External

```
int UF_PATH_create_pprint
(
    UF_PATH_id_t path_id,
    const char* text
)
```

UF_PATH_id_t	path_id	Input	The path id for this event
const char*	text	Input	The text to output on the PPRINT command

UF_PATH_create_prefun (view source)

Defined in: uf_path.h

Overview

This function allows the creation of post command PREFUN/. The appended text is optional. If "text" is NULL then no appended text appears.

Environment

Internal and External

```
int UF_PATH_create_prefun
(
    UF_PATH_id_t path_id,
    int prefun_code,
    const char * text
)
```

UF_PATH_id_t	path_id	Input	The path id for this event
int	prefun_code	Input	Prefun value
const char *	text	Input	The post command appended text

UF_PATH_create_rotate (view source)

Defined in: uf_path.h

Overview

This function allows the creation of post command ROTATE/. The appended text is optional. If "text" is NULL then no appended text appears.

Environment

Internal and External

```
int UF_PATH_create_rotate
(
    UF_PATH_id_t path_id,
    UF_PATH_rotate_t * rotate_data,
    const char * text
)
```

UF_PATH_id_t	path_id	Input	The path ID for this event
UF_PATH_rotate_t *	rotate_data	Input	The data specifying the rotation.
const char *	text	Input	The post command appended text

UF_PATH_create_select_head (view source)

Defined in: uf_path.h

Overview

This function allows the creation of post command SELECT/HEAD. The appended text is optional. If "text" is NULL then no appended text appears.

Environment

Internal and External

```
int UF_PATH_create_select_head
(
    UF_PATH_id_t path_id,
    UF_PATH_head_type_t head_type,
    const char * text
)
```

UF_PATH_id_t	path_id	Input	The path id for this event
UF_PATH_head_type_t	head_type	Input	The head type in the turret of the lathe.
const char *	text	Input	The post command appended text

UF_PATH_create_seqno (view source)

Defined in: uf_path.h

Overview

This function allows the creation of post command SEQNO/. The appended text is optional. If "text" is NULL then no appended text appears.

Environment

Internal and External

```
int UF_PATH_create_seqno
(
    UF_PATH_id_t path_id,
    UF_PATH_seqno_t seq_type,
    int seq_number,
    int seq_incr,
    int seq_freq,
    const char * text
)
```

UF_PATH_id_t	path_id	Input	The path id for this event
UF_PATH_seqno_t	seq_type	Input	The sequence type
int	seq_number	Input	The sequence number, only valid if seq_type is UF_PATH_SEQNO_N
int	seq_incr	Input	Only valid if seq_type is UF_PATH_SEQNO_N
int	seq_freq	Input	Only valid if seq_type is UF_PATH_SEQNO_N
const char *	text	Input	The post command appended text

UF_PATH_create_set_mode (view source)

Defined in: uf_path.h

Overview

This function allows the creation of post command SET/. The appended text is optional. If 'text' is NULL then no appended text appears.

Environment

```
int UF_PATH_create_set_mode (

UF_PATH_id_t path_id,

UF_PATH_output_mode_t ouput_mode,

UF_PATH_feedrate_mode_t feedrate_mode,

UF_PATH_arc_mode_t arc_mode,

UF_PATH_parallel_mode_t parallel_mode,

UF_PATH_machine_mode_t machine_mode,

const char * text
)
```

UF_PATH_id_t	path_id	Input	The path id for this event
UF_PATH_output_mode_t	ouput_mode	Input	The output mode for this tool path.
UF_PATH_feedrate_mode_t	feedrate_mode	Input	The feedrate mode for this tool path.
UF_PATH_arc_mode_t	arc_mode	Input	The arc mode for this tool path.
UF_PATH_parallel_mode_t	parallel_mode	Input	The parallel mode for this tool path.
UF_PATH_machine_mode_t	machine_mode	Input	The machine mode for this tool path.
const char *	text	Input	The post command appended text

UF_PATH_create_spindle_off (view source)

Defined in: uf_path.h

Overview

This function allows the creation of post command SPINDL/OFF. The appended text is optional. If "text" is NULL then be appended text appears.

Environment

Internal and External

```
int UF_PATH_create_spindle_off
(
    UF_PATH_id_t path_id,
    const char * text
)
```

UF_PATH_id_t	path_id	Input	The path id for this event
const char *	text	Input	The post command appended text

UF_PATH_create_spindle_on (view source)

Defined in: uf_path.h

Overview

This function allows the creation of post command SPINDL/. The appended text is optional. If "text" is NULL then no appended text appears.

Environment

```
int UF_PATH_create_spindle_on
```

```
UF_PATH_id_t path_id,
UF_PATH_spindle_on_t * spindle_on_data,
const char * text
)
```

UF_PATH_id_t	path_id	Input	The path id for this event
UF_PATH_spindle_on_t *	spindle_on_data	Input	The spindle data for the command.
const char *	text	Input	The post command appended text

UF_PATH_create_spindle_reverse (view source)

Defined in: uf_path.h

Overview

This function allows the creation of post command SPINDL/REVERSE.

The appended text is optional.

If "text" is NULL then bo appended text appears.

Environment

Internal and External

```
int UF_PATH_create_spindle_reverse
(
    UF_PATH_id_t path_id,
    const char * text
)
```

UF_PATH_id_t	path_id	Input	The path id for this event
const char *	text	Input	The post command appended text

UF_PATH_create_stop (view source)

Defined in: uf_path.h

Overview

This function allows the creation of post command STOP. The appended text is optional. If the "text" is NULL then no appended text appears.

Environment

```
int UF_PATH_create_stop
(
    UF_PATH_id_t path_id,
    const char * text
)
```

UF_PATH_id_t	path_id	Input	The path id for this event
const char *	text	Input	The post command appended text

UF_PATH_create_text (view source)

Defined in: uf_path.h

Overview

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This function allows the creation of a post command text string.

Environment

Internal and External

```
int UF_PATH_create_text
(
    UF_PATH_id_t path_id,
    const char * text
)
```

UF_PATH_id_t	path_id	Input	The path id for this event
const char *	text	Input	The post command text string

UF_PATH_create_thread_wire (view source)

Defined in: uf_path.h

Overview

This function allows the creation of post command LOAD/WIRE. The appended text is optional. If "text" is NULL then no appended text appears.

Environment

```
int UF_PATH_create_thread_wire
(
    UF_PATH_id_t path_id,
    const char * text
)
```

UF_PATH_id_t	path_id	Input	The path id for this event
const char *	text	Input	The post command appended text

UF_PATH_create_tool_change (view source)

Defined in: uf path.h

Overview

This functions allows the creation of post command LOAD/TOOL(for mill) or TURRET/ (for lathe). The appended text is optional. If "text" is NULL then no appended text appears.

Environment

Internal and External

```
int UF_PATH_create_tool_change
(
    UF_PATH_id_t path_id,
    UF_PATH_tool_change_t * tool_change_data,
    const char * text
)
```

UF_PATH_id_t	path_id	Input	The path id for this event
UF_PATH_tool_change_t *	tool_change_data	Input	Data specifying the tool change to make.
const char *	text	Input	The post command appended text

UF_PATH_create_tool_length_comp (view source)

Defined in: uf_path.h

Overview

This function allows the creation of post command SET/ADJUST. The appended text is optional. If "text" is NULL then no appended text appears.

Environment

```
int UF_PATH_create_tool_length_comp
(
    UF_PATH_id_t path_id,
    int tool_comp_register,
    const char * text
)
```

UF_PATH_id_t	path_id	Input	The path id for this event
int	tool_comp_register	Input	Tool length compensation register value
const char *	text	Input	The post command appended text

UF_PATH_create_tool_preselect (view source)

Defined in: uf_path.h

Overview

This function allows the creation of post command SELECT/TOOL. The appended text is optional. If "text" is NULL then no appended text appears.

Environment

Internal and External

```
int UF_PATH_create_tool_preselect
(
    UF_PATH_id_t path_id,
    int tool_number,
    const char * text
)
```

UF_PATH_id_t	path_id	Input	The path id for this event
int	tool_number	Input	Tool number value
const char *	text	Input	The post command appended text

UF_PATH_create_tracking_point_change (view source)

Defined in: uf_path.h

Overview

This function allows the creation of post command TRACKING POINT CHANGE.

The appended text is optional.

If "text" is NULL then bo appended text appears.

Environment

```
int UF_PATH_create_tracking_point_change
(
    UF_PATH_id_t path_id,
    UF_PATH_tracking_point_change_t * tool_change_data
)
```

UF_PATH_id_t	path_id	Input	The path id for this event
UF_PATH_tracking_point_change_t *	tool_change_data	Input	Data specifying the tracking point change to make.

UF_PATH_create_wire_angle (view source)

Defined in: uf_path.h

Overview

This function allows the creation of post command STAN/. The appended text is optional. If "text" is NULL then no appended text appears.

Environment

Internal and External

```
int UF_PATH_create_wire_angle (

UF_PATH_id_t path_id,
double slope_value,
double angle_value,
logical angle_flag,
const char * text
)
```

UF_PATH_id_t	path_id	Input	The path id for this event
double	slope_value	Input	Slope of the wire
double	angle_value	Input	Angle of the wire
logical	angle_flag	Input	Flag to indicate if angle is specified
const char *	text	Input	The post command appended text

UF_PATH_create_wire_cutcom (view source)

Defined in: uf_path.h

Overview

This function allows the creation of post command CUTCOM/. The appended text is optional. If "text" is NULL then no appended text appears.

Environment

```
int UF_PATH_create_wire_cutcom
(
    UF_PATH_id_t path_id,
    UF_PATH_cutcom_mode_t cutcom_mode,
    int adjust_register,
    logical cutcom_off_flag,
    logical adjust_flag,
    const char * text
)
```

```
UF_PATH_id_t path_id Input The path id for this event
```

UF_PATH_cutcom_mode_t	cutcom_mode	Input	The mode for the CUTCOM command.
int	adjust_register	Input	Adjust register value
logical	cutcom_off_flag	Input	Flag indicating if cutcom off is to be output
logical	adjust_flag	Input	Flag to indicate if the adjust register is specified
const char *	text	Input	The post comand appended text

UF_PATH_create_wire_guides (view source)

Defined in: uf_path.h

Overview

This function allows the creation of post command SET/UPPER. The appended text is optional. If "text" is NULL then no appended text appears.

Environment

Internal and External

```
int UF_PATH_create_wire_guides
(
    UF_PATH_id_t path_id,
    const char * text
)
```

UF_PATH_id_t	path_id	Input	The path id for this event
const char *	text	Input	The post command appended text

UF_PATH_end_tool_path (view source)

Defined in: uf_path.h

Overview

This function signifies the end of the tool path. The "oper_id" is no longer valid after this function executes.

Environment

```
int UF_PATH_end_tool_path
(
    UF_PATH_id_t path_id
)
```

```
\begin{tabular}{lll} UF\_PATH\_id\_t & \textbf{path\_id} & lnput & ldentifier of the path to end \\ \end{tabular}
```

UF_PATH_init_tool_path (view source)

Defined in: uf_path.h

Overview

This function initializes the tool path header.

Environment

Internal and External

```
int UF_PATH_init_tool_path
(
    UF_PATH_id_t path_id
)
```

UF_PATH_id_t path_id Input Identifier passed from UF function