# Error Code Listing

## STC (Storage System)

"1": "General timeout - 15 Mintues",

"2": "General timeout - 5 Minutes",

"3": "INIT timeout - Motor Axis not ready",

"4": "NOT USED",

"5": "NOT USED",

"6": "NOT USED",

"7": "NOT USED",

"8": "NOT USED",

"9": "Lift out of range",

"10": "Selecte Cassette exceeds maximum number of cassettes",

"11": "NOT USED",

"12": "Selecte Level exceeds maximum number of levels",

"13": "Plate Trace Error - Plate not Loaded/Unloaded",

"14": "INIT tiemout - Initialisation took too long",

"15": "NOT USED",

"16": "Turn Error - Turn Init Sensor detected",

"17": "NOT USED",

"18": "Shovel IN Timeout - Shovel not in or took too much time",

"19": "Shovel OUT timeout - Shovel hit or took too long to extend",

"27": "Internal Transfer Plate Trace Error - Empty/Occupied level wehn different expected",

"35": "XFer Location occupied from other Tandem Handling",

"36": "Internal Transfer station Inside Storage"

## IF (Interface)

"1": "General timeout - 15 Mintues",

"2": "General timeout - 5 Minutes",

"3": "INIT timeout - Motor Axis not ready",

"4": "Carousel Position Count Error",

"5": "NOT USED",

"6": "NOT USED",

"7": "Gate OPEN timeout",

"8": "Gate CLOSE timeout",

"9": "Lift out of range",

"10": "Selected Cassette exceeds maximum number of cassettes",

"11": "NOT USED",

"12": "Selected Level exceeds maximum number of levels",

"13": "Plate Trace Error - Plate not Loaded/Unloaded",

"14": "INIT tiemout - Initialisation took too long",

"15": "NOT USED",

"16": "Turn Error - Turn Init Sensor detected",

"17": "NOT USED",

"18": "Carousel timeout - Carousel not ready in time",

"19": "Shovel OUT timeout - Shovel hit or took too long to extend",

"20": "Shovel IN Timeout - Shovel not in or took too much time",

"27": "Motion not possible"

## THS (Tube Handling)

"1": "General timeout - 15 Mintues",

"2": "General timeout - 5 Minutes",

"3": "INIT timeout - Motor Axis not ready",

"4": "NOT USED",

"5": "NOT USED",

"6": "NOT USED",

"7": "NOT USED",

"8": "NOT USED",

"9": "Tube trace Error",

"10": "Wrong Tube Y; DM5 > DM25",

"11": "NOT USED",

"12": "Wrong Tube X; DM0 > DM29",

"13": "Tube Trace Error - Tube not Loaded/Unloaded",

"14": "INIT tiemout - Initialisation took too long",

"15": "NOT USED",

"16": "NOT USED",

"17": "NOT USED",

"18": "Nest Init time out",

"19": "NOT USED",

"20": "NOT USED",

"21": "Emergency Stop - Head Release",

"22": "SWAP Head not possible - Tube/Plate detected",

"23": "Plate Trace Error (Source Missing, closer to init on Picker)",

"24": "Plate Trace Error (Target Missing, further to init on Picker)",

"25": "Plate Trace Error (Source and Target Missing)",

"26": "Forbidden Command (Wrong direction on Boxer)",

"27": "Motion not possible",

"31": "Diver not safe for Motion",

"88": "Revolver not safe - not at expected position"

## Cooler

"1": "Key Switch status wrong",

"2": "General timeout - 5 Minutes",

"3": "Temp Alarm 1: 1601 = 1",

"4": "Temp Alarm 2: 1602 = 1",

"5": "NOT USED",

"6": "2nd Stage over Temperature",

"7": "1st Stage over Temperature",

"8": "1st Stage Over pressure",

"9": "NOT USED",

"10": "Defrost Running",

"11": "NOT USED",

"12": "NOT USED",

"13": "Flaps open time out",

"14": "Flaps close time out",

"15": "NOT USED",

"16": "NOT USED"