**CONSCIOUS OF EFFORT OF TASK** 0F WHERE INVOLVEMENT **EXECUTION** REQUIRED **ERROR AUTOMATION MAY HELP** NOVEL RIGHT OVERLOAD DUE TO AMOUNT **SITUATIONS** OF INFORMATION **FIRST TIME** TO BE PROCESSED **PERFORMED MANUFACTURE KNOWLEDGE COMPLETELY**  LACK OF KNOWLEDGE WHFN CONSCIOUSLY LACK OF AWARENESS **BIOPROCESSES EFFORTFUL** SLOW **ARE BEING TRANSFERRED** INTO THE FACILITY ERRORS OF INTENTION IF RULE AN INCORRECT DIAGNOSTIC IS APPLIED COMMERCIAL ROUTINE **MANUFACTURE TASK**  SLIPS WHERE THE WHERE **PERFORMED** INTENTION IS CORRECT BUT **DEVIATIONS FAILUREOCCURS EFFORTLESS** BY SOMEONE **FAST** PERFORMING THE TASK **ARE BEING** HIGHLY **SKILL**  ATTENTION DIVERTED BY **PRACTISED ATTRIBUTED TO** DISTRACTIONS WITH NO 'HUMAN-ERROR' UNFAMILIAR ACTIVITIES CONSCIOUS ARE EMBEDDED IN A FAMILAR CONTEXT **MONITORING** 

**AMOUNT** 

**TYPFS** 

**SPEED** 

**DEGREE OF** 

The Skill, Rule & Knowledge Based Classification was developed by J. Rasmussen as a means of identifying the types of errors that are likely to occur when performing industrial tasks in different situations. SRK information processing refers to the level of conscious control exerted by the operator performing the task. The above diagram describes the three modes of operation, the types of error associated with each and situations within bioprocessing where automation may resolve these issues.

Reference: David Embrey, Human Reliability Associates, UK.

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**BIOPROCESS** 

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