principles applicable in HRC are explained:

Hereinafter, the four different basic safety

1. Safety-rated monitored stop

2. Hand guiding

laborative workspace and continues when the operator has left the collaborative workspace.

Robot stops when operator enters the col-

- Robot movements are controlled by the operator.
- Speed and separation monitoring Contact between operator and moving robot is prevented by the robot.
- Power and force limiting
 Contact forces between operator and robot are technically limited to a safe level.