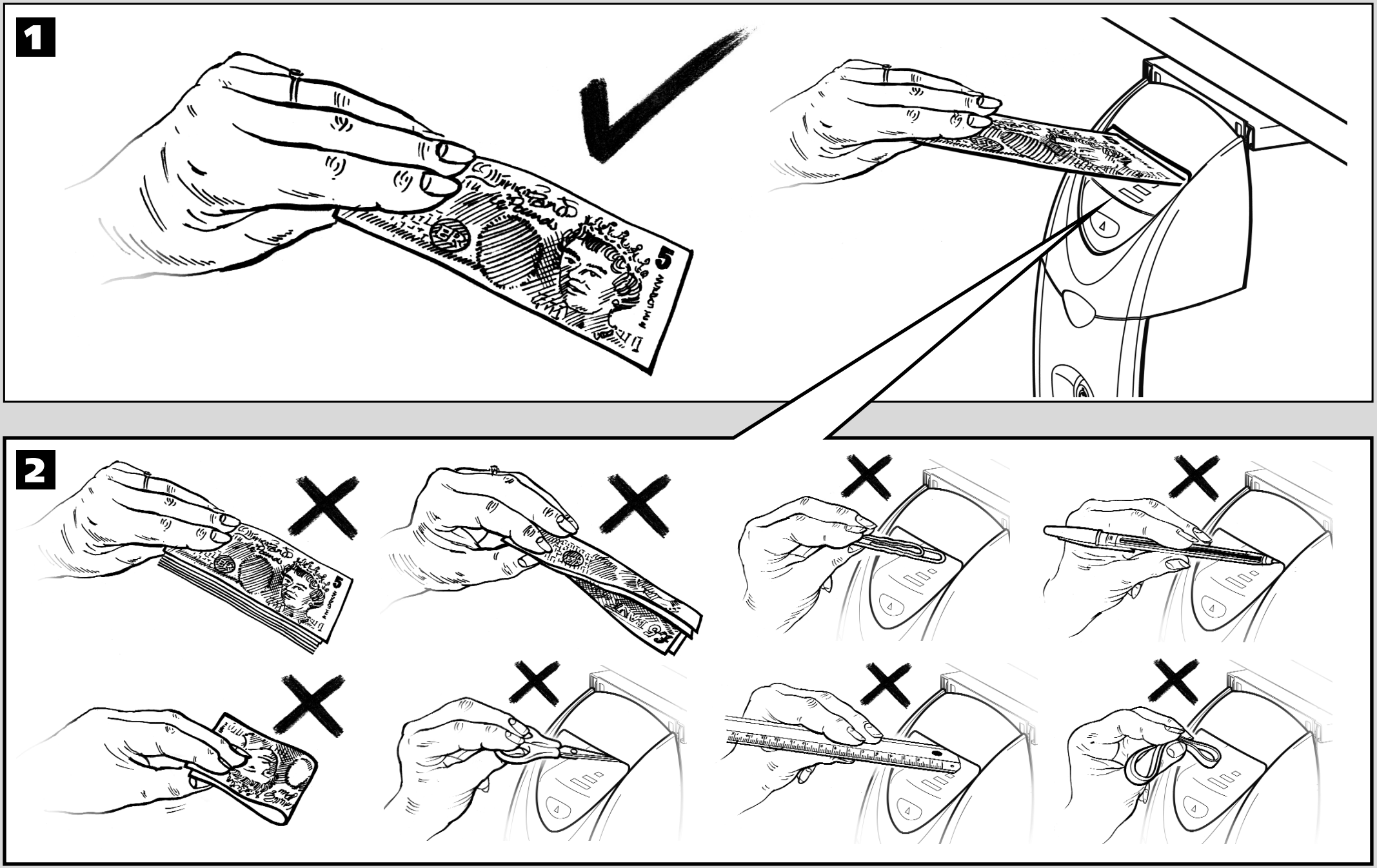CCi OPERATION