



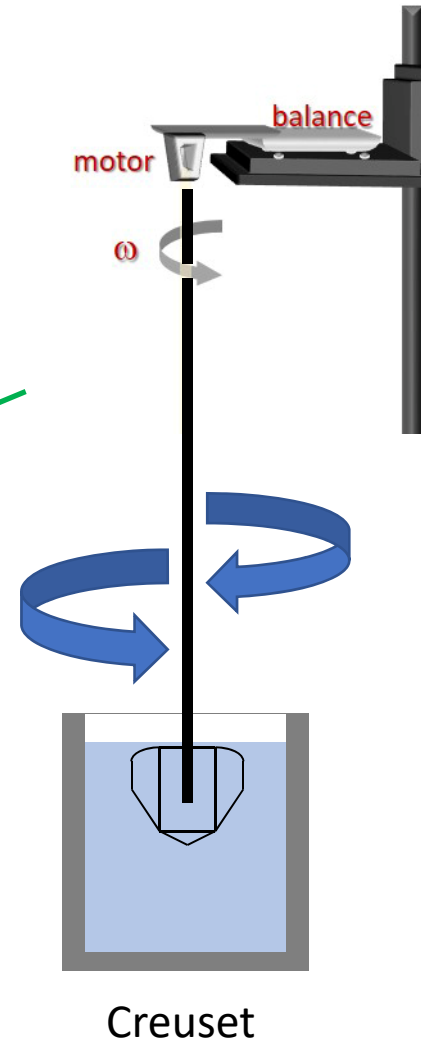
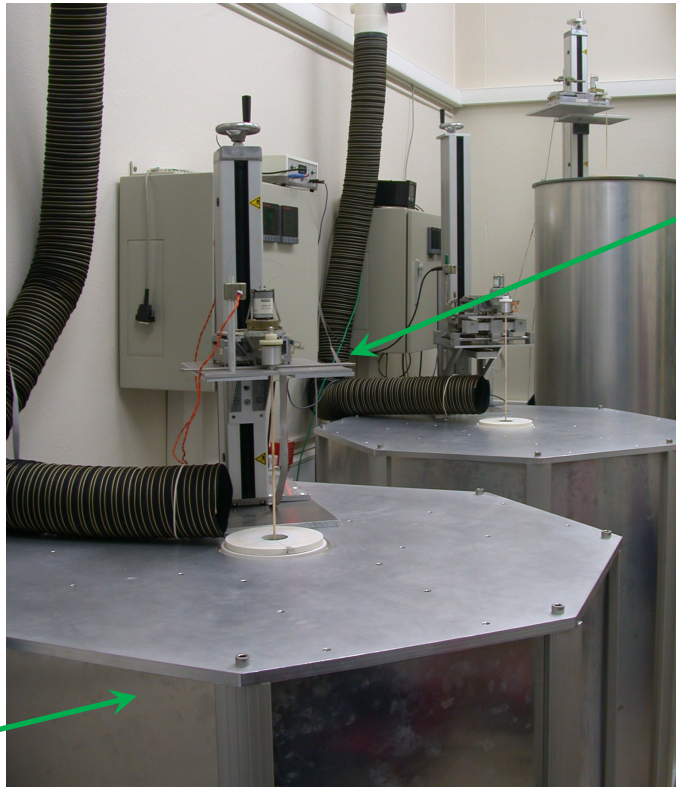
- Point final de 30 ans de développement LabView

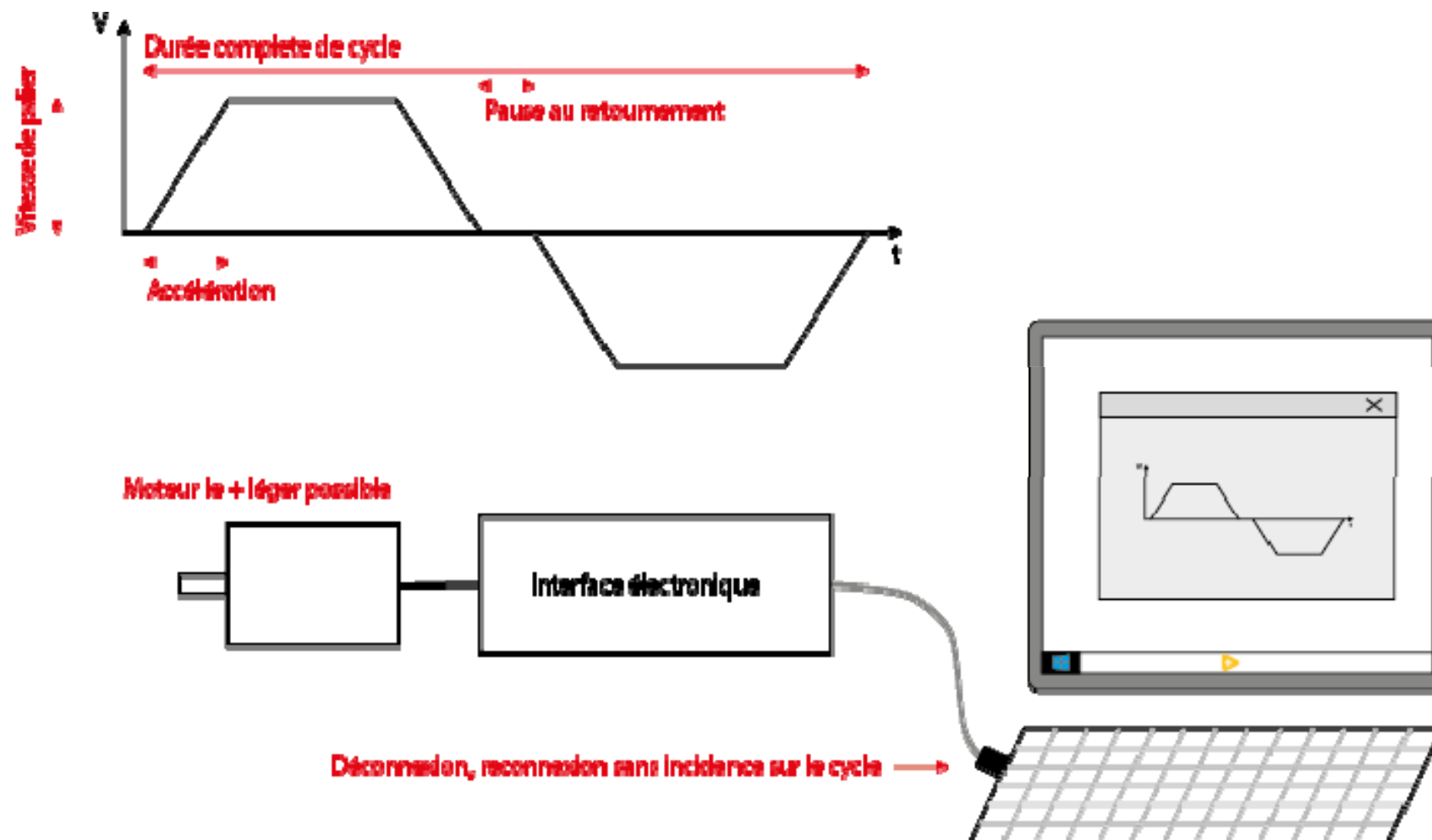
De v5.1 à v21.0

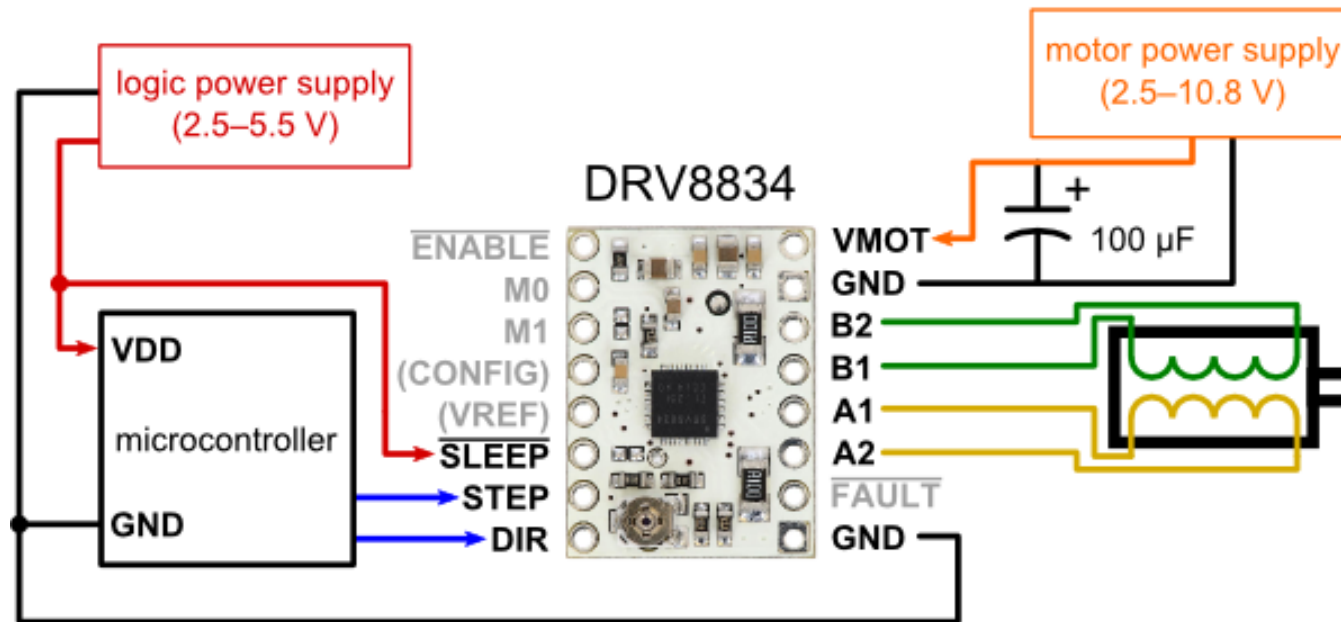
- Dernier petit projet: Pilotage de mouvements de rotations alternées, appliqué à des expériences de croissance cristalline

...avec un Arduino et LabView

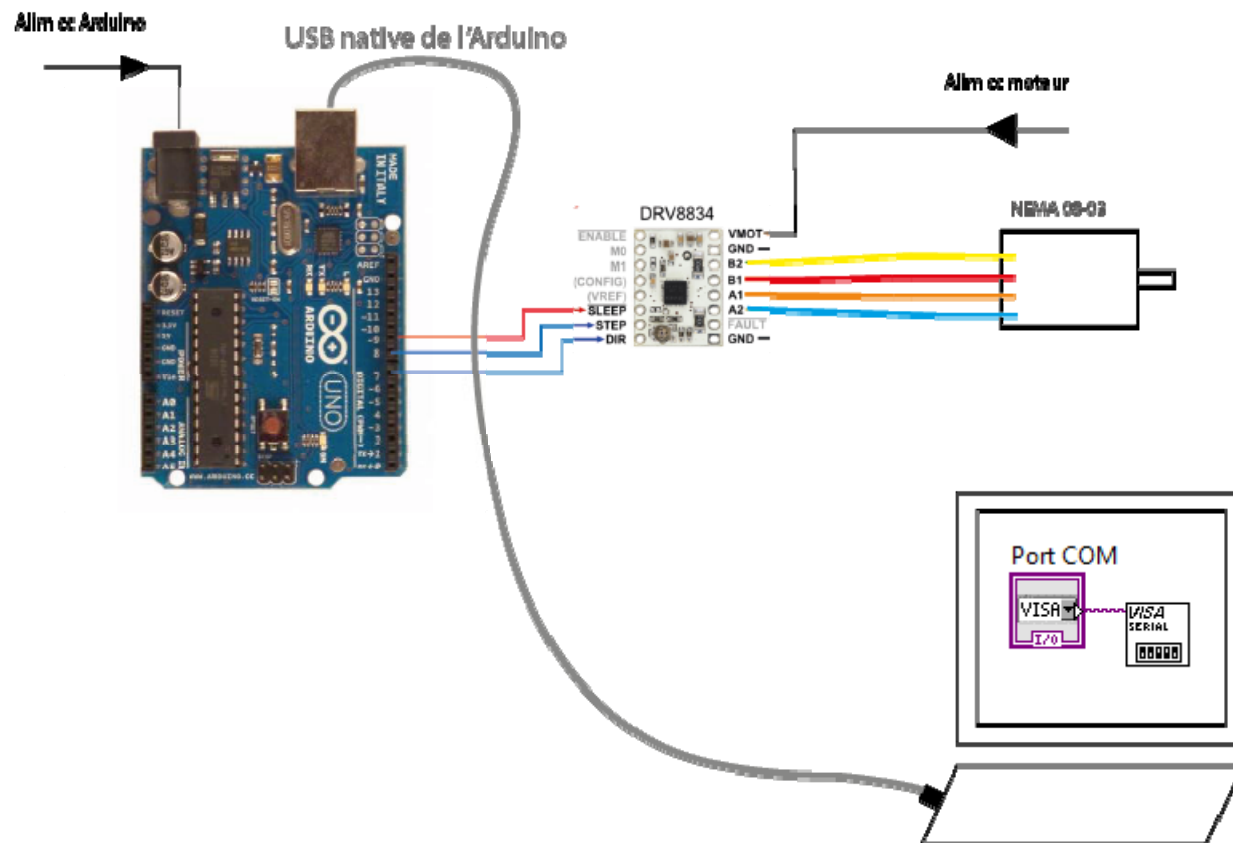
Four



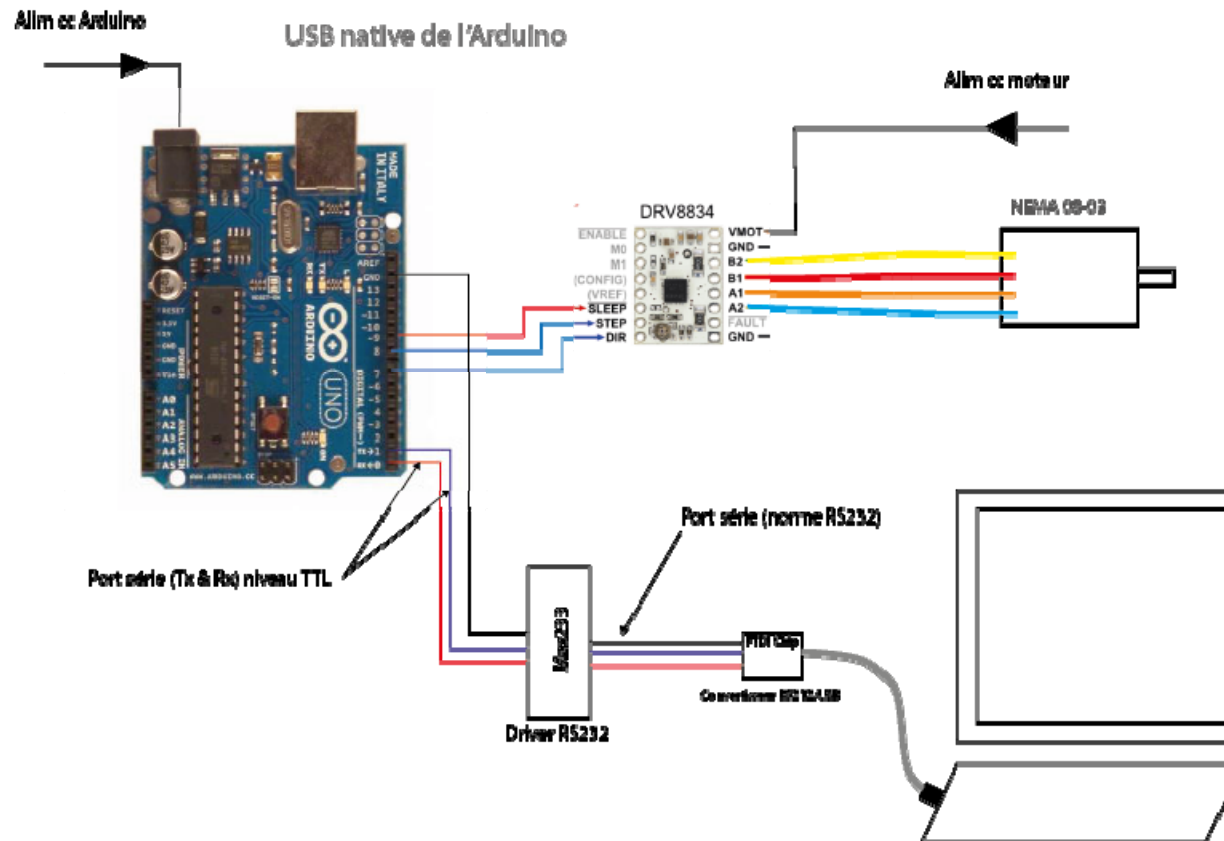




- Driver de moteur pas à pas:
- limitation du courant (nécessaire pour les tous petits moteurs)
  - pilotage des moteurs en micro pas
  - alimentation moteur indépendante de l'alim Arduino



A chaque initialisation du port série (coté PC) l'Arduino reboot!!!!



Une autre manière d'atteindre le port série de l'Arduino...par les entrées/sorties logiques Rx et Tx (attention car niveau TTL)

## Recherche automatique du port Com sur lequel est connecté mon interface

Plusieurs solutions...

Diagram illustrating the automatic search for a COM port connected to the interface. The diagram shows a LabVIEW block diagram with a 'chgport /query' command input, a 'Trouvés...' (Found...) list, and a 'VISA resour' (VISA resource) output. The 'Trouvés...' list contains the following entries:

COM	Device
COM4	\Device\VCP1
COM7	\Device\ProlificSerial2

The 'VISA resour' output is set to '% COM1'. The diagram also shows an 'error in' and 'error out' block.

Below the diagram, two screenshots of the LabVIEW interface are shown:

- automatic search port.vi Front Panel:** This window displays the 'Trouvés...' list and the 'VISA resource name' field, which is set to '% COM4'.
- find USB port.vi Block Diagram:** This window shows the block diagram for the 'find USB port.vi' function. It includes a 'visa list' block, a 'COM1' block, and an 'Instr' block. The 'Instr' block is connected to the 'COM1' block, and the 'Instr' block is connected to the 'VISA resour' block.

Red text annotations highlight the 'Cmd Windows: chgport /query' and 'Visa find resource'.