FLOW CHART OF ExT

1. **START**
   - QUALITY TESTS

2. **IMG**
   - OUT: test results
   - TEST* IMGs quality
     - quality not OK
     - OK

3. **STOP**

4. **DRAW**
   - signature

5. **CLASSIFY**
   - OUT: test results

6. **ASSIGN** knuckles acc. to class.

7. **DRAW** backbone
   - body-halves
   - not symmetric

8. **ASSIGN** hip coordinates
   - not matching

9. **STOP**

10. **ASSIGN** knuckle-coordinates
    - matching cow in relaxed posture

11. **STOP**

12. **ASSIGN** knuckle-coordinates
    - matching cow in relaxed posture

13. **STOP**

* ImageBorder, HindBoundaryCurve

**: distances: center of gravity to hind boundary curve
*: possible dishes classifications: flat-flat, flat-deep, deep-flat, deep-deep

### Quality Tests

- **KNUCKLES**
- **HIPS**
- **ExT**

### Measurements

- Output from ROI cut from hip to hip
- area
- volumes and depths
- distortions and areas
- not matching

### Classifications

- flat-flat
- flat-deep
- deep-flat
- deep-deep