



### 2.3 Choice - Description (Popis)

This choice is dedicated for descriptions of technological operation, that must be realised. After the selection this choice "Description of operation (*Popis operácie*)" we have for the option the any possibilities show Fig. 4. The place for text we designate direct by the mouse pointer.

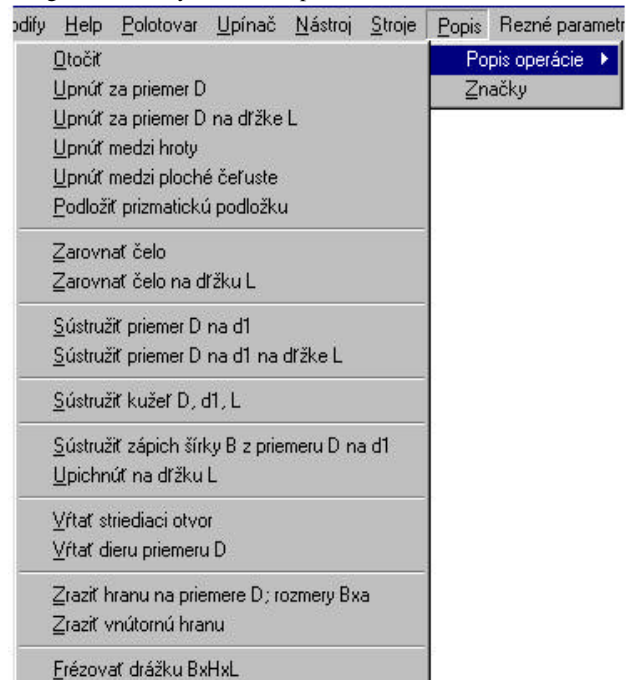
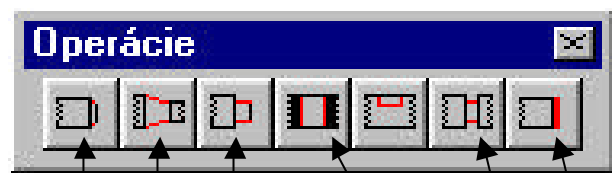


Fig. 4. Choice - Description - Description of operations (*Popis operácie*) in pull-down offer

On the back of description of operations is included in this choice the drawing of selected operation too. There it's getting about plotting of removable material and of new shape of semi-product in given operation. The following panel serves for this intent Fig. 5.



Turn: edge, cone, diameter, Drill: diameter, Turn: relive, face  
Fig. 5 The panel of operations - "Operácie" = Operations

### 3. THE DISPLAY OF OPERATION - EXAMPLE

For the presentation what can create our designed CAPP system, it is showned on Fig. 6. We show for example one operation call as "Turn the diameter D on d", where D is large diameter for turning and d is little diameter after turning.

### 4. CONCLUSION

The first better this CAPP system is it, that we can create the technological documentation direct in environs wherein the part is designed. Next the part, cutting tolls, fixtures are drawn in scale 1:1 by building the technological progress. As well the dimensioning of all parameter (turned diameter, turned length, length of clamping work, etc.) are in real scale 1:1. Single item as the tool, fixture, work, removal layer is different colour coded. Such technological progress is transparent (Valentovic, 1999). The part designed by design engineer and the technological progress created by technologist are integrated in one computer surroundings.

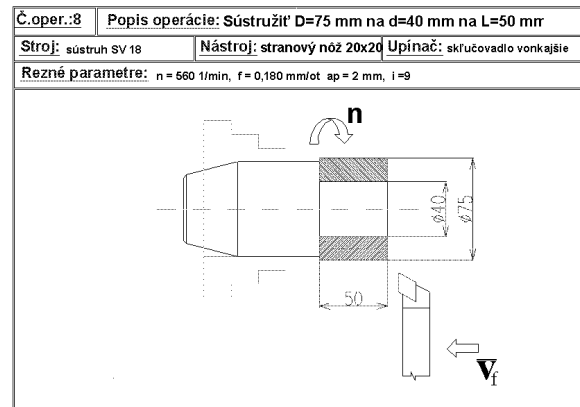


Fig. 6. The operation: Turn D=75mm on d=40mm on L=50mm

One file includes both the drawing of part and technological progress. This solution helps to transparenting the technological documentation and its better archiving. By creating the technological progress in this form can technologist:

- ?? to potential engineering fault and solve direct on the place the technological design of part,
- ?? forestall errors founded low dimensional and shaped vision of tool, work and fixture collision.

We think, that this CAPP system Možno povedat, že tento systém is up to standard for simplification and unloading from routine engineering proceedings, that are exercised first of all in fabrications (Kuric, 1997), where is often alternating of production assortment and it is necessary quick to change drawing and technological documentation.

### 5. REFERENCES

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